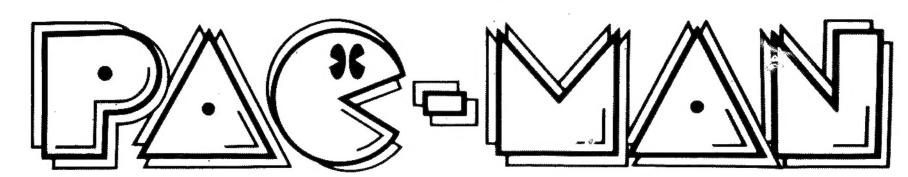
MIDWAY'S



PARTS AND OPERATING MANUAL





COCKTAIL #933

UP-RIGHT #932

MINI #934



MIDWAY MFG. CO.

A BALLY COMPANY

10750 WEST GRAND AVENUE

FRANKLIN PARK, ILLINOIS 60131

U.S.A.

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WARNING

THIS GAME MUST BE GROUNDED. FAILURE TO DO SO MAY RESULT IN DESTRUCTION TO ELECTRONIC COMPONENTS.

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GENERAL INSTRUCTIONS FOR "PAC-MAN" UPRIGHT AND MINI

INSTALLATION

- 1. Remove shipping cleats located on bottom of cabinet.
- 2. Install four (4) provided leg levelers to bottom of cabinet and level cabinet.
- 3. The power is controlled by a switch located on top of the cabinet. Additional taps have been provided on the transformer to compensate for fluctuating line voltage.

LINE VOLTAGE SAFETY SWITCH

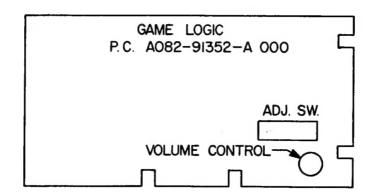
A line voltage safety switch has been provided for your protection. It is located on the right rear side of the cabinet in the back door area. When the back door is removed, it opens the circuit to the line voltage. To restore power (when servicing), pull switch fully out.

VOLUME CONTROL

The volume control pot is located on the Game Logic Board (P.C. A082-91352-A000). This pot controls the volume of all sounds and may be varied as desired by rotating pot control.

ADJUSTMENT SWITCHES

Located on Game Logic Board (P.C. A082-91352-A000) and may be adjusted as indicated on separate instruction card in back box area.



TO REMOVE CONTROL PANEL AND MONITOR DISPLAY GLASS

- 1. Open coin door.
- 2. Release two (2) clamps located below Control Panel on each side of cabinet.
- 3. Disconnect control panel jack.
- 4. Remove control panel.
- 5. Remove monitor display glass.

CREDIT PUSH BUTTON SWITCH

Located in cash box area and is readily accessible by opening coin door. This switch is provided as a test aid and awards one credit without advancing coin meter.

M051-00932-A003

WARNING: This equipment Generates, Uses and can Radiate Radio Frequency Energy and if not installed and used in accordance with the Instructions Manual, may cause interference to Radio Communications. As temporarily permitted by Regulation it has not been tested for compliance to Subpart J or Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference. Operation of this equipment in a Residential Area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

GENERAL INSTRUCTIONS FOR "PAC-MAN" COCKTAIL TABLE

INSTALLATION

- 1. Remove shipping cleats located on bottom of cabinet.
- 2. Install four (4) provided leg levelers on bottom of cabinet and level cabinet.
- 3. The power is controlled by a switch located on the bottom of the cabinet. Additional taps have been provided on the transformer to compensate for fluctuating line voltage.

LINE VOLTAGE SAFETY SWITCH

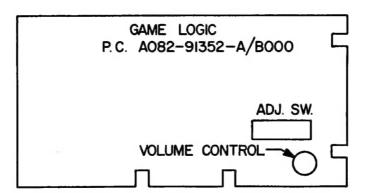
A line voltage safety switch has been provided for your protection. It is located in the cabinet on the left side of the coin door. When the coin door is opened the circuit to the line voltage is interrupted. To restore power (when servicing), pull switch fully out.

VOLUME CONTROL

The volume control pot is located on the Game Logic Board (P.C. A082-91352-A/B000). The pot controls the volume of all sounds and may be varied as desired by rotating pot control.

ADJUSTMENT SWITCHES

Located on Game Logic Board (P.C. A082-91352-A/B000) and may be adjusted as indicated on separate instruction card in back door area.



CREDIT PUSH BUTTON SWITCH

Located to right of cash box and is readily accessible by opening coin door. This switch is provided as a test aid and awards one credit without advancing coin meter.

TEST SLIDE

Located to right of cash box and is readily accessible by opening coin door. When placed in "ON" position, this switch indicates test mode.

M051-00933-A003

GAME BOARD TEST

Place test slide switch in "ON" position. If game board is good, the following information will be displayed on the screen:

OK

Coin Adjustment Setting

Bonus Adjustment Setting

Number of PAC-MAN Per Game Setting

Game Version

RAM/ROM TEST

If any of the Rams or Roms are faulty, the following information will be displayed on the screen:

BAD ROM LOCATION CODE		BAD RAM LOCATION CODE	
Display	Location	Display	Location
M-Rom-0	6E	Bad V Ram-0	4K
M-Rom-1	6F	Bad V Ram-1	4N
M-Rom-2	6H	Bad C Ram-0	4L
M-Rom-3	6J	Bad C Ram-1	4P
		Bad W Ram-0	4M
		Bad W Ram-1	4R

CONTROL PANEL AND COIN SWITCH TEST

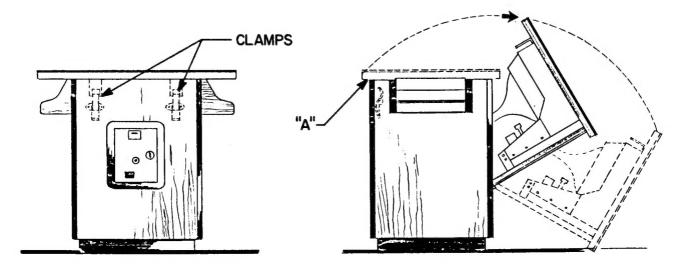
To verify operation of any switch, close switch in question. If switch is operating properly, a game sound will emit when closure is made.

Caution: Be sure to return test switch to game mode when all tests are completed.

TO SERVICE MONITOR, GAME BOARD AND TRANSFORMER ASSY.

- 1. Open coin box door and release two (2) clamps indicated on sketch below.
- 2. Grasp monitor mounting panel at "A" and open as indicated in sketch below.

Caution: Due to the weight of the monitor extreme care must be exercised when opening cabinet for service.



MONITOR - GENERAL INSTRUCTIONS Service Set-Up Procedure

NOTE: All monitors are equipped with automatic degaussing coils which effectively demagnetize the picture tube each time the monitor is turned on. The degaussing coils will operate any time the set is turned on after having been off for at least five minutes.

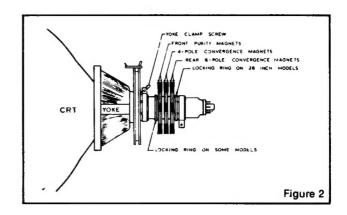
The degaussing effect is confined to the picture tube since the coils are mounted on the ferrous tube shield. Should any part of the chassis or cabinet become magnetized, it will be necessary to degauss the affected area by means of a manual degaussing coil. Move the coil slowly around the CRT face area, then slowly withdraw for a distance of six feet before disconnecting the coil from the AC power supply.

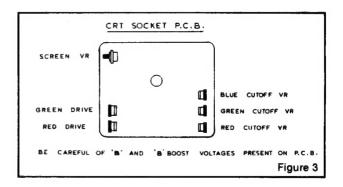
Normally little, if any adjustment should be necessary. However, when a picture tube, yoke or similar component is replaced, preliminary static convergence should be done before attempting purity adjustment, and so on.

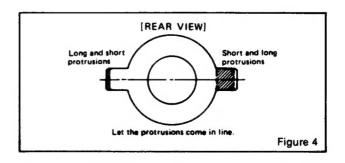
Set up should be done in a north/south direction. Horizontal and vertical centering taps should be set to the centre position if a major component has been changed.

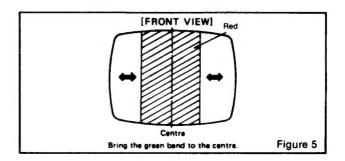
1.0 Purity

- 1.1 Loosen yoke retaining clamp (figure 2), remove adhesive material fixing wedges to CRT. Remove wedges completely and clean off dried adhesive from picture tube and wedges.
- 1.2 A small quantity of "nail polish" has been used to lock the purity convergence rings in place. This seal must be broken with a sharp tipped instrument before any adjustments are attempted. Some models also use a locking ring at either end of the purity and convergence rings. This must be loosened before adjustments are made. It goes without saying that upon completion of all adjustments, the lock must be reset and/or a dab of paint or nail polish must be reapplied to edge of rings to prevent movement.
- 1.3 Connect an appropriate signal source, eg: Electrohome RGB generator producting a white field plus individual red, green and blue fields.
- 1.4 Bring the long and short purity tab protrusions in line with each other to obtain near-zero magnetic field (figure 4) (In some cases bring the flat and indented tabs together to obtain zero field). Protrusions can then be vertical, horizontal or at any convenient angle to start.
- 1.5 Turn off the green and blue fields and adjust setup controls to produce a red field. (See fig. 3)
- 1.6 Pull the deflection yoke back so that a red band appears in the centre of the screen.
- 1.7 Spread the tabs apart as little as necessary and rotate both rings together to center the red band horizontally on the face of the CRT (approximate). (See Fig. 5)
- 1.8 Slide the yoke towards the bell of the picture tube slowly to obtain a uniform red field (pure in color) across the entire tube face. Juggle back and forth slightly as necessary. Lightly tighten yoke retaining clamp.
- 1.9 Momentarily switch on a cross-hatch signal and rotate yoke to level the pattern on the face of CRT.
- 1.10 Return generator to regain red raster.
- 1.11 Turn off red field and check for pure field for each of the green and blue fields. Reposition yoke if necessary to obtain optimum purity on all fields.
- 1.12 Tighten yoke retaining clamp to prevent yoke shift or rotation. (Do not install wedges at this time.)









2.0 Static and Dynamic Convergence

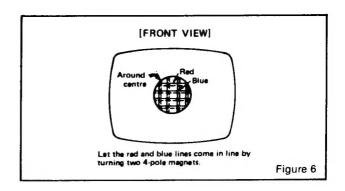
NOTE: Static convergence is achieved by four magnets located on the neck, nearest the base of the picture tube, Fig. 2. The middle pair of magnetic rings are adjusted to converge the blue and red crosshatch lines. The rear pair of convergence rings (closest to the base of the picture tube) are adjusted to converge the magenta (blue/red) to the green crosshatch lines. Dynamic convergence is achieved by tilting the deflection yoke up-down and left-right.

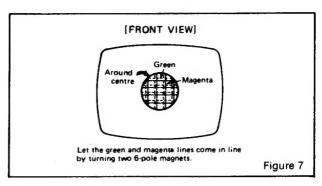
- 2.1 Ensure that the controls misadjusted during purity setup (screen, cut-off, etc.) are set to give white balance. See 3.0 below.
- 2.2 Switch generator to the crosshatch pattern.
- 2.3 Adjust convergence around the edges of the picture tube by tilting the yoke up-down and left-right, and temporarily install one wedge at the top of the yoke or in a more optimum position. (Figures 8, 9, 10)
- 2.4 Turn off green input and turn on the red and blue input.
- 2.5 Rotate the 4-pole (middle) pair of magnets as a unit to minimize separation of the red and blue crosshatch lines around the center of the screen (Figure 6). Variation of the angle between the tabs adjusts convergence of red and blue. (Tilt yoke as required to converge red and blue at the edges as in 2.3 above.)
- 2.6 Turn on green input to obtain magenta (red/blue) and green crosshatch lines. Rotate the 6-pole (rear) pair of magnets as a unit to minimize separation of the magenta and green lines (figure 7). Vary angle between the two tabs and further rotate as a unit to finalize.
- 2.7 When converence of 3 colors is optimized (static in center and dynamic around edges) apply stripe of paint or nail polish to converence magnet rings to prevent movement. If applicable, tighten locking ring carefully.
- 2.8 Remove temporary wedge from yoke. Tilt yoke in updown and left-right direction for best circumference convergence and install 3 wedges. (It is best to use 3 new wedges since they have adhesive backing. Simply pull off tape, slide wedge in place and press outer flap down firmly. For more permanency apply small quantity of silastic or similar material at junction of wedges and picture tube. Do not disturb while material is setting. (Order wedges by part number 39-1233-01).

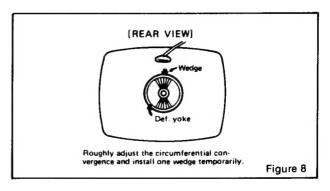
3.0 White Balance (Grey Scale Tracking)

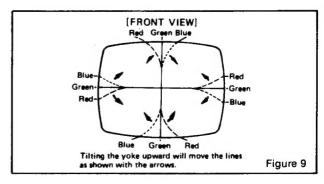
Refer to figure 3. Do the following in subdued light:

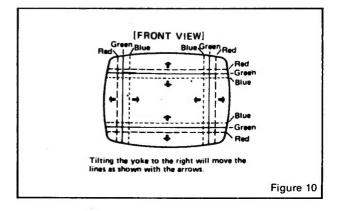
- 3.1 Note this adjustment can be accomplished with no signal connected; eg: input connector open or if a signal generator is connected, switch off all 3 inputs at the generator.
- 3.2 Set red and green drive controls to their mechanical center and turn the common G2 screen control and 3 cut-off controls to minimum (fully counterclockwise).
- 3.3 Slowly turn up G2 screen control until the first faint color appears, then back off to edge of visibility. Do not touch the associated cut-off control - it should stay fully CCW for the remaining set-up.
- 3.4 Slowly turn up the other two color cut-off controls in turn to match the first. This should result in the faintest grey.
- 3.5 Turn on the signal generator with all 3 inputs on. (a crosshatch pattern would be appropriate).



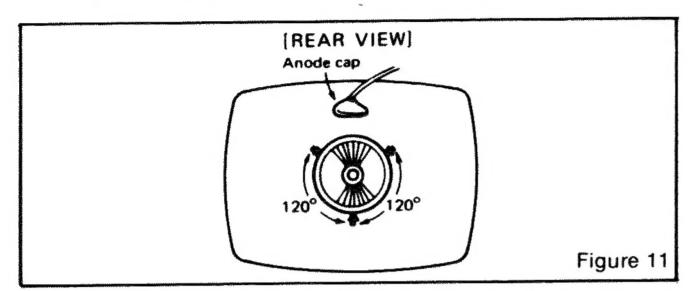








- 3.6 Adjust the red and green drive controls for "neutral white" on high white picture areas. Generally these controls will be left at mech. centre.
- 3.7 Note: When monitor is re-connected with the game the screen control (G2) may require a slight adjustment to obtain proper black level. (the black portion of picture just extinguished).



4.0 Power Supply

The regulated +B1 control (R909) has been factory adjusted and normally requires no adjustment. However, if any repairs have been made to the chassis it is recommended that this adjustment should be made.

- a) Allow 5 minutes to warm up.
- b) No signal applied.
- c) Connect an accurate D.C. voltmeter to TP-91 or the emitter of X04 power regulator transistor.
- d) Adjust R909 for 120V. (See fig. 1)

Note:

Should +B1 control be set too high, it may cause possible component damage. Use an accurate D.C. voltmeter to set B1 (B+).

5.0 Focus

Adjust focus control for best overall definition and picture detail an average signal applied. (Highlights should be favoured.)

6.0 Color Service Generator for G07 Monitor

Electrohome has developed a color service generator that is specifically designed for use with the G07 color data monitor. It provides the monitor with both horizontal and vertical sync, as well as the following test patterns:

- 1) Fine cross-hatch pattern
- 2) Broad bar cross-hatch pattern
- 3) Complete field

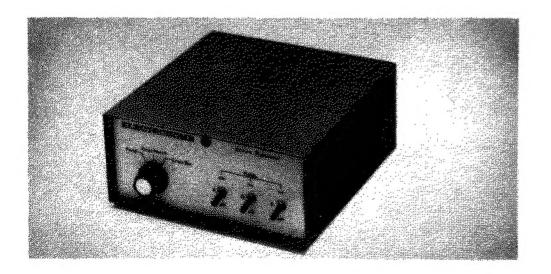
Three color selection switches, red, green and blue, provide the ability to display the above patterns in the three primary colors as well as the three secondary colors.

This product may be ordered from:
Contracts Marketing

809 Wellington St. North

Kitchener, Ontario Canada N2G 4J6

Telephone: (519) 744-7111, Ext. 567

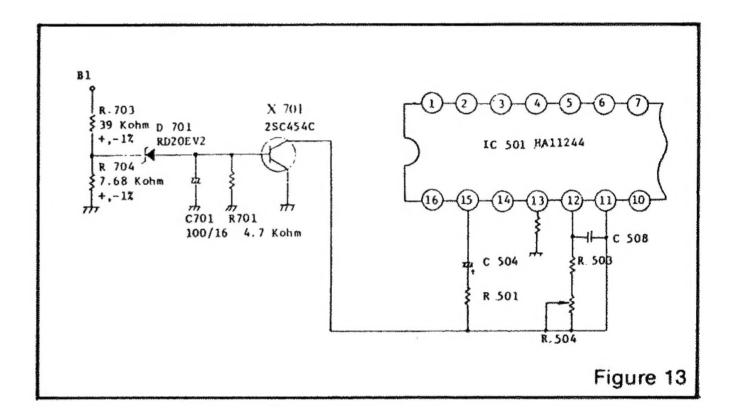


7.0 X-Ray Emission Check

- 7.1 Assure the power supply B1 is properly adjusted to 120V DC. See Item 4.0 (page 8)
- 7.2 Assure that the anode voltage does not exceed max. as per Item 2.0 page 4.
- 7.3 Assure that the high voltage hold down circuit is operating correctly. Use the following procedure.
 - a) Increase the B1 greater than 138.5V by shorting collector/emitter of the power regulator, X04.
 - b) Observe that the anode voltage (EHT) goes to 0. If the EHT does not go to 0, a fault must be located and repaired.
 - c) Remove short and set should return to normal operation. (Note, after the short is removed some monitors may not restart. In this case, remove power from monitor momentarily and normal operation will be restored.

Note:

The protector circuit consists of the components shown below in Fig. 13 with a circuit description.



8.0 Circuit Diagram and Description of High Voltage Hold Down or Safety Circuit

- 8.1 Circuit Diagram of High Voltage Hold Down Circuit.
- 8.2 Operation of High Voltage Hold Down Circuit.

The high voltage hold-down circuit protects the high voltage circuit from dangerous voltage with short circuiting between emitter and collector of power regulating transistor.

The base voltage of X701 is increased when the B1 voltage is increased more than 138.5 V DC.

When the base of X701 is increased, a short is produced by X701 between pin 11 and ground of IC 501, shutting down the horizontal osc. and high voltage.

INSTALLATION AND SERVICE INSTRUCTIONS

COLOR PURITY AND VERTICAL CENTERING ADJUSTMENT

For best results, it is recommended that the purity adjustment be made in the final monitor location. If the monitor will be moved, perform this adjustment with it facing west or east. The monitor must have been operating 15 minutes prior to this procedure and the faceplate of the CRT must be at room temperature.

The monitor is equipped with an automatic degaussing circuit. However, if the CRT shadow mask has become excessively magnetized, it may be necessary to degauss it with manual coil. Do not switch the coil OFF while the raster shows any effect from the coil.

Purity Magnets are used for Color Purity and V Centering Adjustment.

Purity Adjustment procedure is as follows.

- 1. Remove R-G-B signal from monitor.
- Turn Green Cut off Control (VR404) on the Neck Board fully CCW.
 - Turn Red and Blue Cut off Control (VR405) fully CW.
- Pull the Deflection Yoke backward so that the Magenta belt will appear. (See Fig. 4)
- Move the two Purity Magnets and bring the Magenta belt to the mechanical center of the screen (See Fig. 5) The vertical center position should be set VRS to -5/64" (-2 mm) as shown in Fig. 6.
 - Insert service tip "N" on Neck circuit board to "S" on Vert./Horiz. circuit board (See Fig. 13). To check, use the Green raster at low intensity. Be sure to return the service tips to their original positions for the next check.
- Push the Deflection Yoke forward gradually and fix it at the place where the Magenta screen becomes uniform throughout.
- 6. Turn Cut off Control, and Drive Control and confirm that each color is uniform.
- 7. If the color is not uniform, re-adjust it moving Purity Magnets slightly.
- 8. Move a pair of Purity Magnets at the same time (do not change the angle of the pair), and adjust the vert. center to center of screen.
- Obtain the three colors and confirm whether white uniformity is balanced.
- Insert the temporary wedge as shown in Fig. 5 and adjust the angle of Deflection Yoke.

STATIC CONVERGENCE ADJUSTMENT

A recently developed Deflection Yoke and Electron Guns construction has been used on this equipment in combination with In-Line Guns and Black Stripe Screen to make a barrel-type magnetic-field distribution for vertical deflection and a pin-cushion-type magnetic field for horizontal deflection with which a self-converging system can be obtained. This type is different from conventional unity-magnetic field distribution type deflection yoke. 4-Pole Magnets and 6-Pole Magnets are

employed for static convergence instead of a Convergence Yoke.

- A cross hatch signal should be connected to the monitor.
- 2. A pair of 4-Pole Convergence Magnets are provided and adjusted to converge the blue and red beams. When the Pole opens to the left and right 45° symmetrically, the magnetic field maximizes. Red and blue beams move to the left and right oppositely (See Fig. 7-a and 7-b). Variation of the angle between the tabs adjusts the convergence of red and blue vertical lines.
 - When the both 4-Pole Convergence Magnet Tabs are rotated as a pair, the convergence of the red and blue horizontal lines is adjusted.
- A pair of 6-Pole Convergence Magnets are also provided and adjusted to converge the magenta (red + blue) to green beams.
 - When the Pole opens to the left and right 30° symmetrically, the magnetic field is maximized. Red and blue beams both move to the left and right (See Fig. 8-c and 8-d).

Variation of the opening angle adjusts the convergence of magenta to green vertical lines. When both 6-Pole Convergence Magnet Tabs are rotated as a pair the convergence of magenta to green horizontal lines is adjusted.

PRECISE ADJUSTMENT OF DYNAMIC CONVERGENCE (See Fig. 10 and 11)

- 1. Feed a cross hatch signal to the monitor.
- 2. Insert the temporary wedge and fix Deflection Yoke so as to obtain the best circumference convergence (See Fig. 10 and 11).

NOTE:

The temporary wedges may need to be moved during adjustments.

 Insert three rubber wedges to the position as shown in Fig. 9 to obtain the best circumference convergence.

NOTE:

- Tilting the angle of the yoke up and down adjusts the crossover of both vertical and horizontal red and blue lines. See Fig. 10 (a) and (b).
- Tilting the angle of the yoke sideways adjusts the parallel convergence of both horizontal and vertical lines at the edges of the screen. See Fig. 11-a and b.
- Use three rubber wedges (thick and thin rubber wedges are used for a purpose).
- 4) The angle of each rubber wedges are shown in Fig. 9.
- After three rubber wedges have been inserted, pull out the temporary wedge.
- Fix the rubber wedges with chloroprene rubber adhesive.

INSTALLATION AND SERVICE INSTRUCTIONS

BLACK AND WHITE TRACKING (With R/G.B. inputs grounded)

- 1. Set Black Level Control (VR201) to mid point.
- Set Red and Blue Drive Controls (VR401 & VR402) to their mechanical center.
- 3. Set the G2 Screen Control (VR406) and the 3 Cut-off Controls (VR403, VR404, & VR405) to minimum

(CCW).

- Slowly turn up G2 screen control until the first faint color appears.
- Slowly turn up the other two color cut-off controls in turn to match the first.
- Remove ground from R/G/B/ inputs. Adjust Red and Blue Drive Controls (VR401 & VR402) for white screen.

FIGURE 11

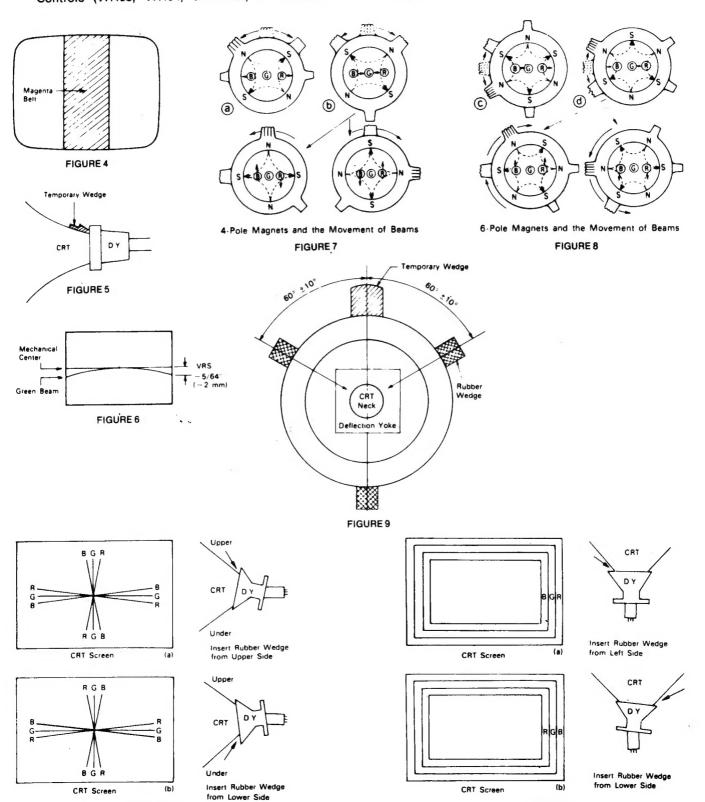


FIGURE 10

		METHOD OF PLA	ΑΥ
SW. #1	SW. #2		
OFF	ON	1 COIN	1 PLAY
ON	OFF	1 COIN	2 PLAY
OFF	OFF	2 COINS	1 PLAY
ON	ON		FREEPLAY
NUMBER OF PACKMEN PER GAME			
SW. #3	SW. #4		
ON	ON	1 PACKMAI	N
OFF	ON	2 PACKMEN	N
ON	OFF	3 PACKMEN	١
OFF	OFF	5 PACKMEN	·
		BONUS PACKME	EN
SW. #5	SW. #6		
ON	ON	BONUS PACKM	AN AT 10,000
OFF	ON	BONÚS PACKM	AN AT 15,000
ON	OFF	BONUS PACKM	AN AT 20,000
OFF	OFF	NO BO	NUS
SW. #7	SW. #8		
OFF	OFF	PLAY MOD	E
ON	OFF	RACK TEST	Г
OFF,	ON	LOCKS PIC	TURE

M051-00932-A035

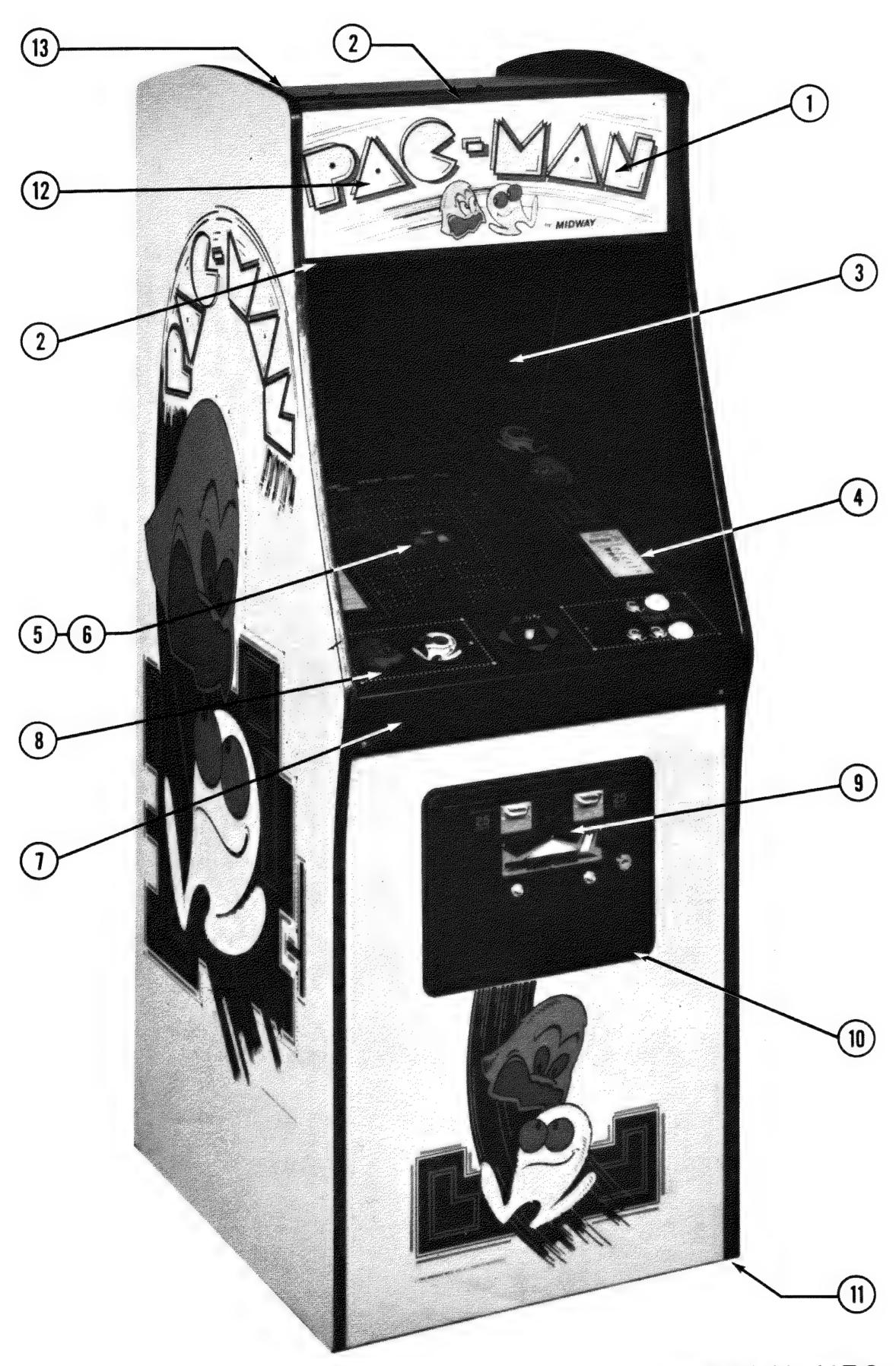
ELECTRICAL BULLETIN: FOR ALL APPARATUS COVERED BY THE CANADIAN STANDARDS ASSOCIATION (CSA) STANDARD C22.2 NO. 1, WHICH EMPLOYS A SUPPLY CORD TERMINATED WITH A POLARIZED 2-PRONG ATTACHMENT PLUG.

CAUTION:

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR. UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

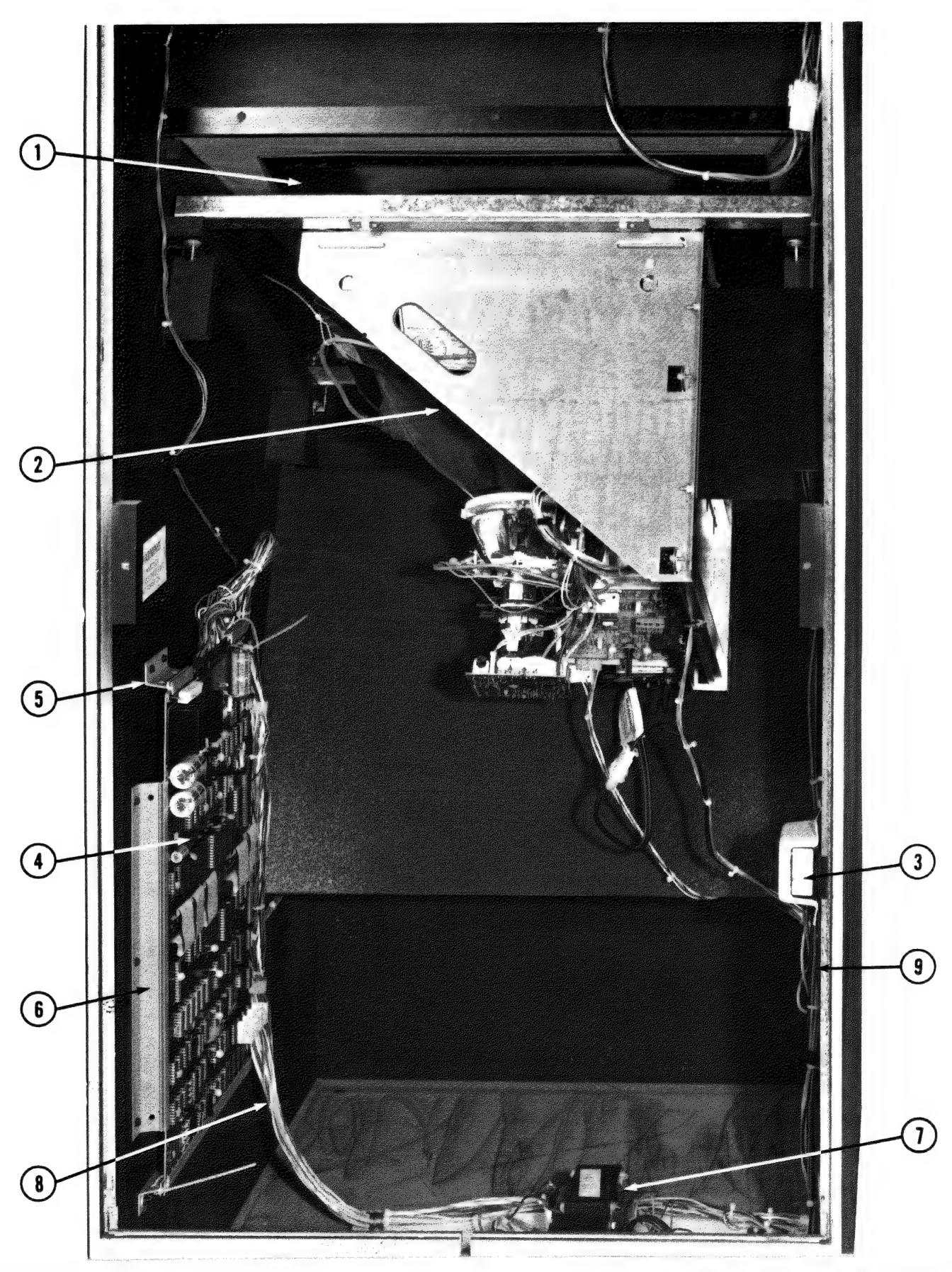
NO. 932 - PAC-MAN UP-RIGHT - PHOTOGRAPH



MIDWAY MFG. CO.
A BALLY COMPANY

NO. 932 - PAC-MAN UP-RIGHT - PHOTOGRAPH

		DI PANT NOMBEN ONET
ITEM	PART Nº	DESCRIPTION
1 1	0932-00901-00XF	UPPER DECORATIVE PLEX—23" x 9-1/16" x 3/16"
2	0866-00103-00XF	PLEXI RETAINING BRKT. (2 REQ'D.)
	0017-00101-0066	#10 x 5/8 PHIL. PAN HD. SCREW (6 REQ'D.)
3	0017-00009-0393	BLACK SPEAKER GRILL W/4, 1-1/2" SCREWS
	0017-00003-0187	6'' x 9'' SPEAKER 8 OHM, 9W.
4	0932-00900-00XF	MAIN DISPLAY GLASS - 23'' x 16-3/8'' x 3/16''
	M052-00050-0005	FOAM TAPE - 1/4 x 23'' LG.
5	A866-00064-0000	T.V. BEZEL & PLEXI ASSY.
6	0017-00003-0339	19" COLOR MONITOR & CHASSIS
		W/YOKE-ELECTROHOME
7	0932-00100-00XF	CONTROL SHELF OVERLAY
	0017-00101-0639	#8-32 x 1-1/4 CARRIAGE BOLT (6 REQ'D.)
	0017-00104-0022	STL. FLAT WASHER (6 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (6 REQ'D.)
	0017-00101-0775	#6 x 1/2 PHIL. PAN HD. SCR. (2 REQ'D.)
8	0932-00903-0000	DECORATIVE CONTROL PANEL
9	A090-00076-02BK	DOUBLE ENTRY COIN DOOR ASSY.
10	0090-00002-02BK	COIN DOOR FRAME
11	0017-00102-0048	3/8-16 x 2" LEG LEVELER (4 REQ'D.)
	0017-00103-0026	3/8-16 HEX NUT (4 REQ'D.)
12	A866-00068-0000	DISPLAY LAMP BRKT. ASSY. (2 REQ'D.)
		LOCATED BEHIND ITEM # 1
	0866-00113-0000	SOCKET MTG. BRKT. (2 REQ'D)
	0017-00003-0135	LAMP SOCKET (2 REQ'D)
:	0017-00003-0309	LAMP 12V., 25W. (2 REQ'D.)
	0017-00101-0626	#8-32 x 3/4 SLT. PAN HD. M.S. (4 REQ'D.)
40	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)
13	0586-00036-0000	ON-OFF SWITCH
	0567-00106-0100	SWITCH MTG. PLATE
	0017-00101-0025	#8 x 1/2 STL. HEX HD. WD. SCR. (4 REQ'D.)

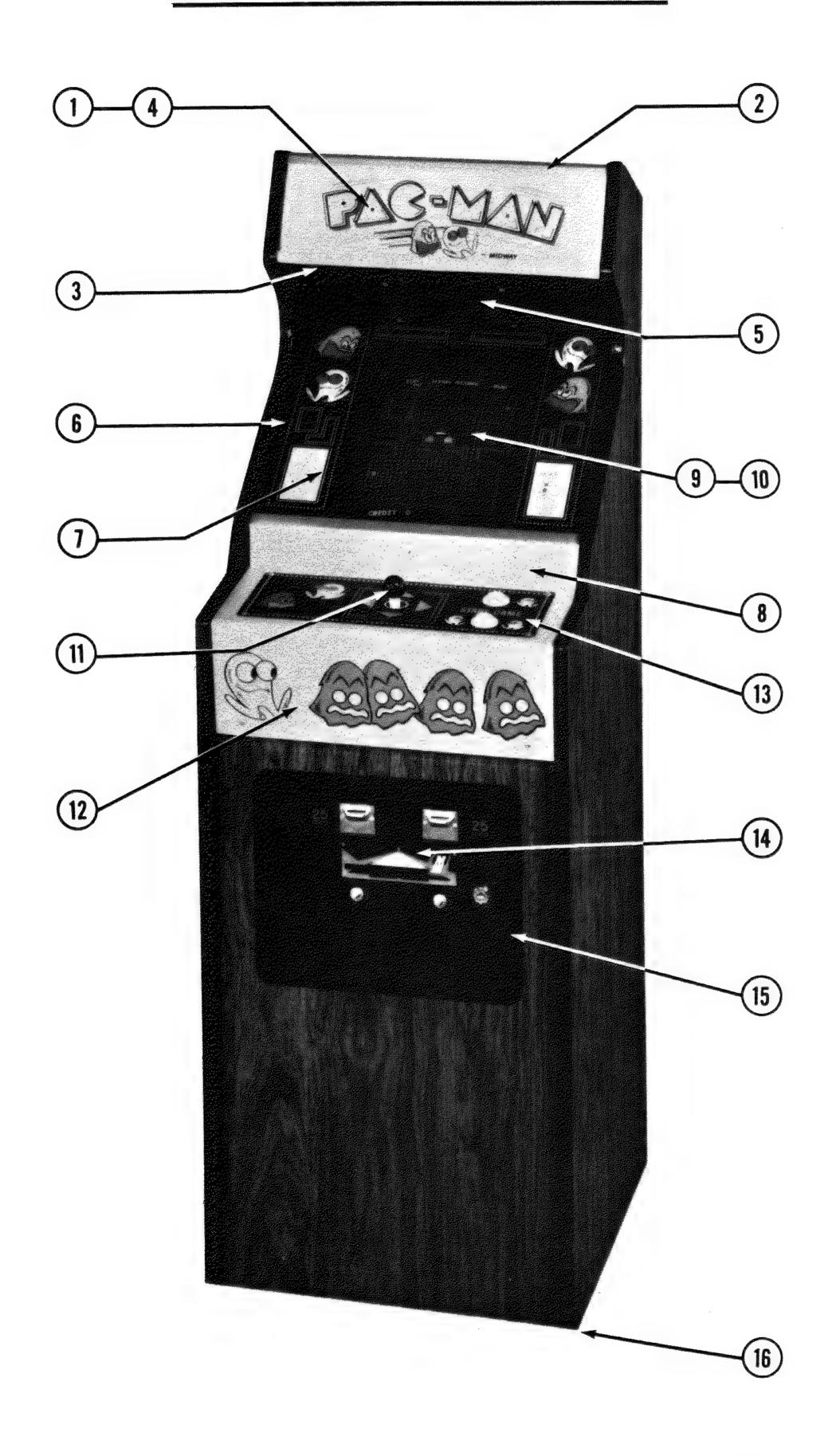


MIDWAY MFG. CO.

NO. 932 - PAC-MAN UP-RIGHT - INTERIOR ACCESS PICTURE ORDER BY PART NUMBER ONLY

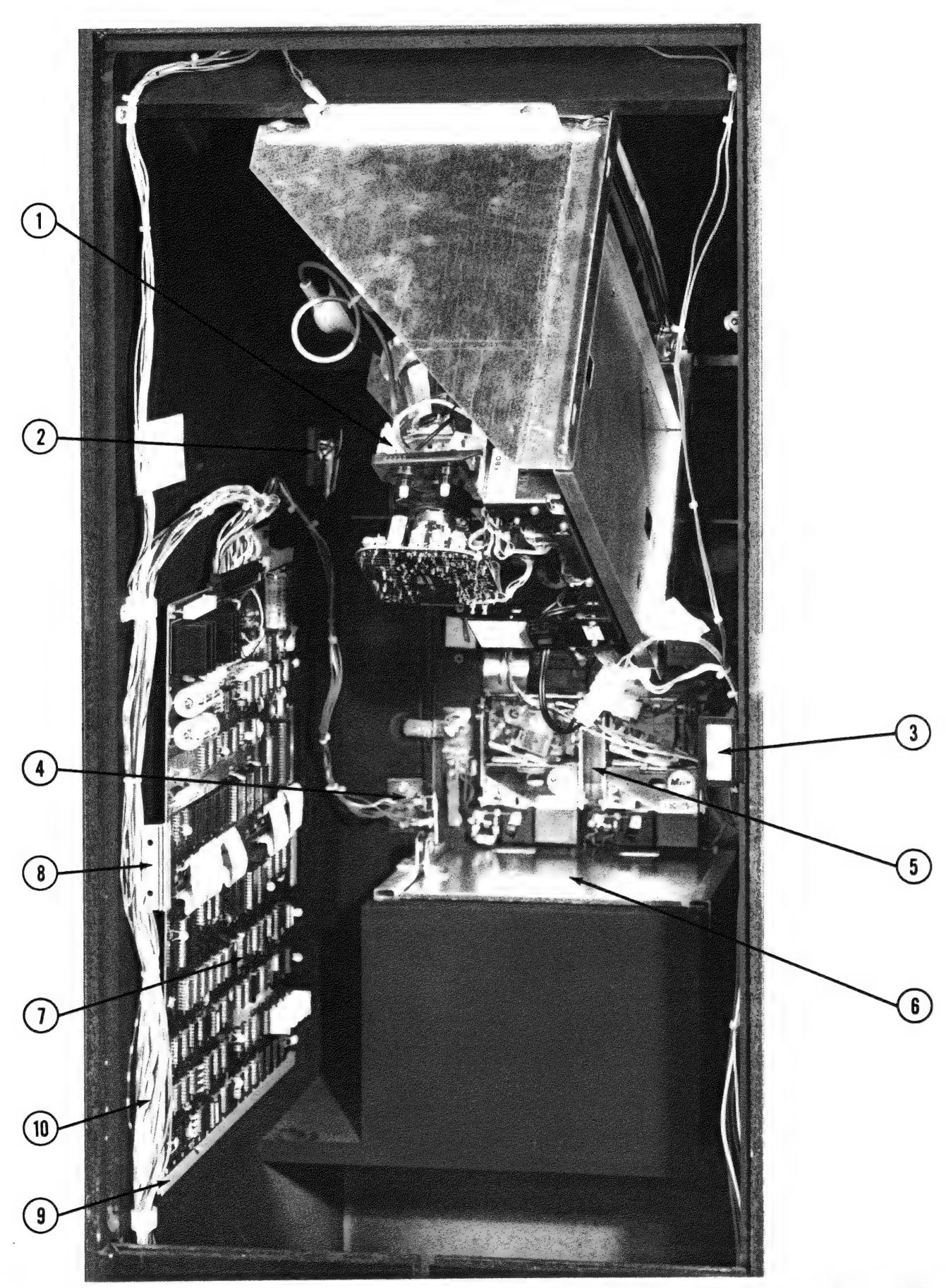
A866-00064-0000 A866-00202-0000	T.V. BEZEL & PLEXI ASSY.
A866-00202-0000	
	COLOR MONITOR & MTG. CHANNEL ASSY.
0017-00101-0115	#8-32 x 2'' HEX MACH. SCR. (5 REQ'D.)
0017-00101-0639	#8-32 x 1-1/4 CARRIAGE BOLT
0017-00101-0628	#8-32 x 3/4 CARRIAGE BOLT (4 REQ'D.)
0017-00104-0022	#8 WASHER (10 REQ'D.)
0017-00103-0061	#8-32 HEX NUT SEMS (10 REQ'D.)
A866-00035-00XF	INTERLOCK SW. BRKT. ASSY.
0017-00032-0071	INTERLOCK SWITCH
A082-91375-B000	GAME LOGIC P.C. ASSY.
0624-00902-0300	P.C. SUPPORT BRKT 2-1/2 IN. (3 REQ'D.)
0624-00902-0100	P.C. SUPPORT BRKT 12 IN. (2 REQ'D.)
0017-00101-0017	#6 x 1/2 BLK. SLT. HEX HD. SCR. (17 REQ'D.)
A932-00020-0000	TRANSFORMER BOARD ASSY.
A932-00005-0000	HIGH VOLTAGE CABLE ASSY.
A932-00006-0000	LOW VOLTAGE CABLE ASSY.
A932-00010-0000	CONTROL SHELF CABLE ASSY.
A932-00019-0000	COIN DOOR CABLE ASSY.
A082-91109-C000	CREDIT MULTIPLIER BY-PASS P.C. BRD. ASSY.
	ADDITIONAL PARTS LIST
0017-00009-0033	BASSICK CLAMP (2 REQ'D.)
0603-00131-0000	STRIKE(2 REQ'D.)
A866-00036-0000	TEST SWITCH & BRKT. ASSY. (MOUNTED ON
	BACK OF COIN DOOR)
0017-00009-0477	CASH BOX-MOLDED
A905-00026-0000	CASH BOX COVER ASSY.
A624-00001-0000	CASH BOX GUIDE BRKT, ASSY.
0624-00101-0000	CASH BOX GUIDE BRKT.
0017-00101-0628	#8-32 x 3/4" CARRIAGE BOLT (4 REQ'D.)
0017-00104-0022	#8 WASHER (4 REQ'D.)
0017-00103-0061	#8-32 LOCK NUT SEMS (4 REQ'D.)
A097-00001-0000	LOCK ASSY BACK DOOR
0017-00009-0490	VENT GRILL - 5-5/8" SQ. (2 REQ'D.)
0866-00905-0000	FISHPAPER SHIELD 4 IN. SQ.
0866-00906-0000	FUSE SHIELD - TRANSFORMER BOARD
	. SOL VIIILLE THANGI UNIVER BUAND
	0017-00101-0628 0017-00104-0022 0017-00103-0061 A866-00035-00XF 0017-00032-0071 A082-91375-B000 0624-00902-0300 0624-00902-0100 0017-00101-0017 A932-00005-0000 A932-00006-0000 A932-00019-0000 A932-00019-0000 A082-91109-C000 0017-00009-0477 A905-00026-0000 A624-0001-0000 0624-00101-0000 0624-00101-0628 0017-00104-0022 0017-00103-0061 A097-00001-0000 0017-00009-0490 0866-00905-0000

NO. 934 - PAC-MAN MINI - PHOTOGRAPH



NO. 934 - PAC-MAN MINI - PHOTOGRAPH

ITEM	PART Nº	DESCRIPTION
1	0934-00900-00XF	DISPLAY PLEXI (TOP) 17-3/16" x 5-3/4" x 3/16"
2	0905-00115-00XF	TOPBRACKET
3	0905-00116-00XF	BOTTOM BRACKET
	0017-00101-0117	#8 x 5/8 PHIL. TRS. HD. M.S. (6 REQ'D.)
	0017-00101-0789	#10-32 x 3/4 HEX BUTTON HD. SCR. (2 REQ'D.)
4	A934-00012-0000	INSERT ASSEMBLY
	0017-00003-0219	#194 WEDGE BASE LAMP 14V. 27A. (5 REQ'D.)
	0017-00031-0030	LIGHT SOCKET (5 REQ'D.)
5	A762-00028-0000	SPEAKER ASSY.
	0017-00009-0393	BLACK RECT. SPEACKER GRILL
	0017-00101-0642	#8-32 x 1-1/2 CARRIAGE BOLT (4 REQ'D.)
1	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)
6	0905-00903-0100	GLASS EDGE CHANNEL - 14-1/2'' LG. (2 REQ'D.)
7	0934-00902-00XF	MAIN DISPLAY GLASS - 17-13/16'' x 13-1/8'' x 3/16''
8	0934-00100-0000	GLASS CLAMPING PLATE
	0017-00101-0789	#10-32 x 3/4 HEX BUTTON HD. SCR. (2 REQ'D.)
9	A934-00007-0000	T.V. BEZEL ASSY. W/GREY PLEXI
10	0017-00003-0340	13" COLOR DUAL SYNC. HORIZ. MONITOR
		& CHASSIS - ELECTROHOME
11	A932-00008-0000	CONTROL ASSEMBLY
12	0934-00101-00XF	CONTROL PLATE
	0017-00101-0117	#8 x 5/8 PHIL. TRS. HD. SCR. (2 REQ'D.)
13	0934-00904-0000	CONTROL SHELF OVERLAY
	0017-00101-0118	#8-32 x 1-1/8 CARRIAGE BOLT (4 REQ'D.)
	0017-00104-0030	#8 WASHER (4 REQ'D.)
امدا	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)
14	A090-00076-02BK	DOUBLE ENTRY COIN DOOR ASSY.
15	0090-00002-02BK	COIN DOOR FRAME
16	0017-00102-0048	3/8-16 x 2" LEG LEVELER (4 REQ"D.)
	0017-00103-0026	3/8-16 LEG LEVELER HEX NUT (4 REQ'D.)
	;	

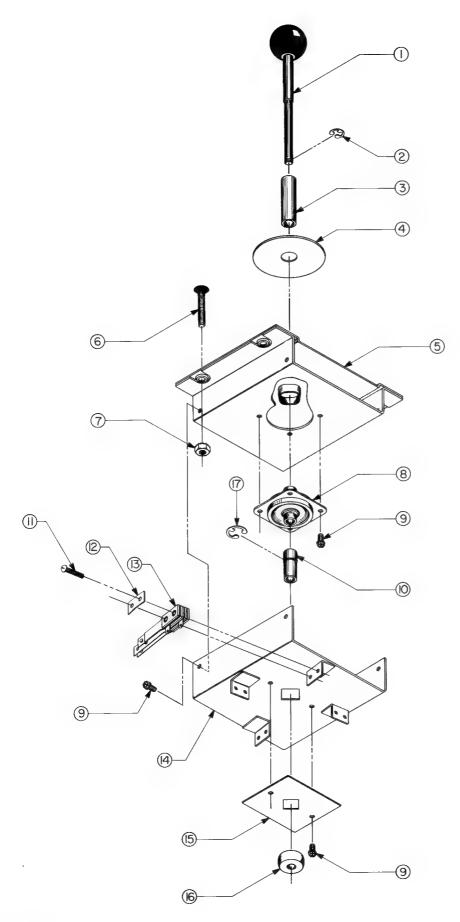


MIDWAY MFG. CO.
A BALLY COMPANY

NO. 934 - PAC-MAN MINI - INTERIOR ACCESS PICTURE

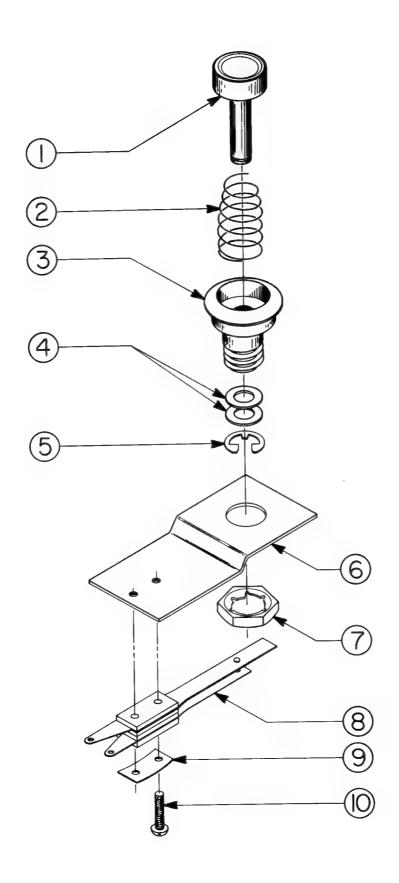
	URDER	BY PART NUMBER ONLY
ITEM	PART Nº	DESCRIPTION
1	0017-00003-0340	13" COLOR DUAL SYNC. HORIZ. MONITOR
		& CHASSIS - ELECTROHOME
	0017-00004-0022	304 DYMAX GROUND STRAP
	0017-00102-0013	1/4-20 x 1-1/4 CARRIAGE BOLT (2 REQ'D.)
	0017-00102-0028	1/4-20 x 2-1/2 CARRIAGE BOLT (2 REQ'D.)
	0017-00104-0014	PERIPHERY WASHER (4 REQ'D.)
	0017-00103-0018	1/4 - 20 HEX NUT (2 REQ'D.)
2	0017-00009-0033	BASSICK CLAMP (2 REQ'D.)
	0603-00131-00XF	STRIKE (2 REQ'D.)
	0017-00101-0028	#8 x 3/4 SLT. HEX HD. SCREW (8 REQ'D.)
3	A151-00026-0000	INTERLOCK SW. & BRKT. ASSY.
	0017-00101-0028	#8 x 3/4 SLT. HEX HD. SCR. (2 REQ'D.)
4	A866-00036-0000	TEST SWITCH BRKT. ASSY.
5	A090-00076-02BK	DOUBLE ENTRY COIN DOOR ASSY.
6	A905-00028-0000	CASH BOX ASSY. W/HANDLE
	A905-00026-0000	CASH BOX COVER ASSY.
	A624-00001-0000	CASH BOX GUIDE BRKT. ASSY.
	0624-00101-0000	CASH BOX GUIDE BRKT.
7	A082-91375-B000	GAME LOGIC BOARD ASSY.
8	0624-00902-0300	P.C. SUPPORT BRKT 2-1/2 IN. (3 REQ'D.)
9	0624-00902-0100	P.C. SUPPORT BRKT 12 IN. (2 REQ'D.)
10	A934-00009-0000	HIGH VOLTAGE CABLE ASSY.
	A934-00008-0000	LOW VOLTAGE CABLE ASSY.
	A934-00010-0000	CONTROL SHELF CABLE ASSY.
	A934-00013-0000	DISPLAY INSERT CABLE ASSY.
	A932-00019-0000	COIN DOOR CABLE ASSY.
		NOT SHOWN LIST
	A082-91109-C000	CREDIT MULT. BYPASS P.C. BRD. ASSY.
	A934-00011-0000	TRANSFORMER BOARD ASSY.
	0017-00032-0083	ON-OFF SWITCH
	0567-00106-0100	SWITCH MTG. PLATE
	0017-00101-0028	#8 x 3/4 SLT. HEX HD. SCR. (4 REQ'D.)
	0017-00009-0490	VENT GRILL - BOTTOM BACK DOOR (2 REQ'D.)
	0618-00117-0000	VENT GRILL - TOP BACK DOOR
	0017-00101-0015	#6 x 1/2 SLT. HEX HD. SCR. (4 REQ'D.)
	0934-00903-0000	PROTECTIVE BUBBLE - BACK DOOR
	0017-00101-0628	#8-32 x 3/4 CARRIAGE BOLT (10 REQ'D.)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (10 REQ'D.)
	A151-00029-0000	LOCK ASSY BACK DOOR

PAC-MAN - CONTROL ASSEMBLY



PAC-MAN - CONTROL ASSEMBLY

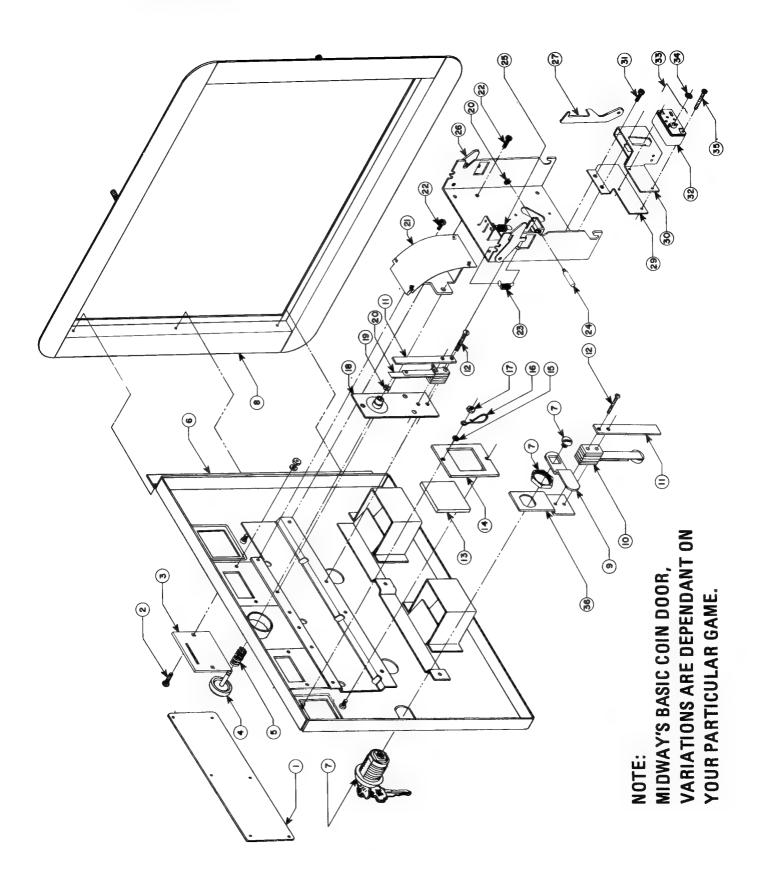
ITEM	PART Nº	DESCRIPTION
1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A921-00012-0000 A932-00022-0000 0017-00100-0025 0921-00702-0000 A932-00011-00XF 0017-00101-0713 0017-00103-0061 0932-00902-0000 0017-00101-0598 0921-00701-0000 0017-00101-0528 0020-00202-0000 A932-00009-0000 A932-00009-0000 A932-00009-0000 O921-00700-0000 0017-00100-0115	SHAFT & BALL ASSY FIRST 3,000 GAMES SHAFT & BALL ASSY. 1/4" E-RING STOP SPACER SLIDE PLATE SPOT WELD ASSY. #8-32 x 1" SLT. FLAT HD. SCREW (4 REQ'D.) #8-32 HEX NUT W/SEMS (4 REQ'D.) GROMMET #8-32 x 5/16 SLT. HEX HD. M.S. (10 REQ'D.) SLEEVE #5-40 x 3/4 SLT. RND. HD. SCR. (8 REQ'D.) SWITCH PLATE (4 REQ'D.) SWITCH ASSEMBLY (4 REQ'D.) STOP PLATE & SWITCH BRKT. ASSY. WEAR PLATE ACTUATOR 7/16" E-RING
	***	TRAVEL OF PT. NO. 921-00700-0000 ACTUATOR IS APPROX. 1/8. SWITCH BLADE ASS'Y. SHOULD BE ADJUSTED TO MAKE CONTACT AT 1/16 OF ACTUATOR TRAVEL. TYPICAL 4.
092	1-00700-0000	A932-00009-0000



NO. 932 & 934 PAC-MAN UP-RIGHT & MINI - PUSH BUTTON ASSY.

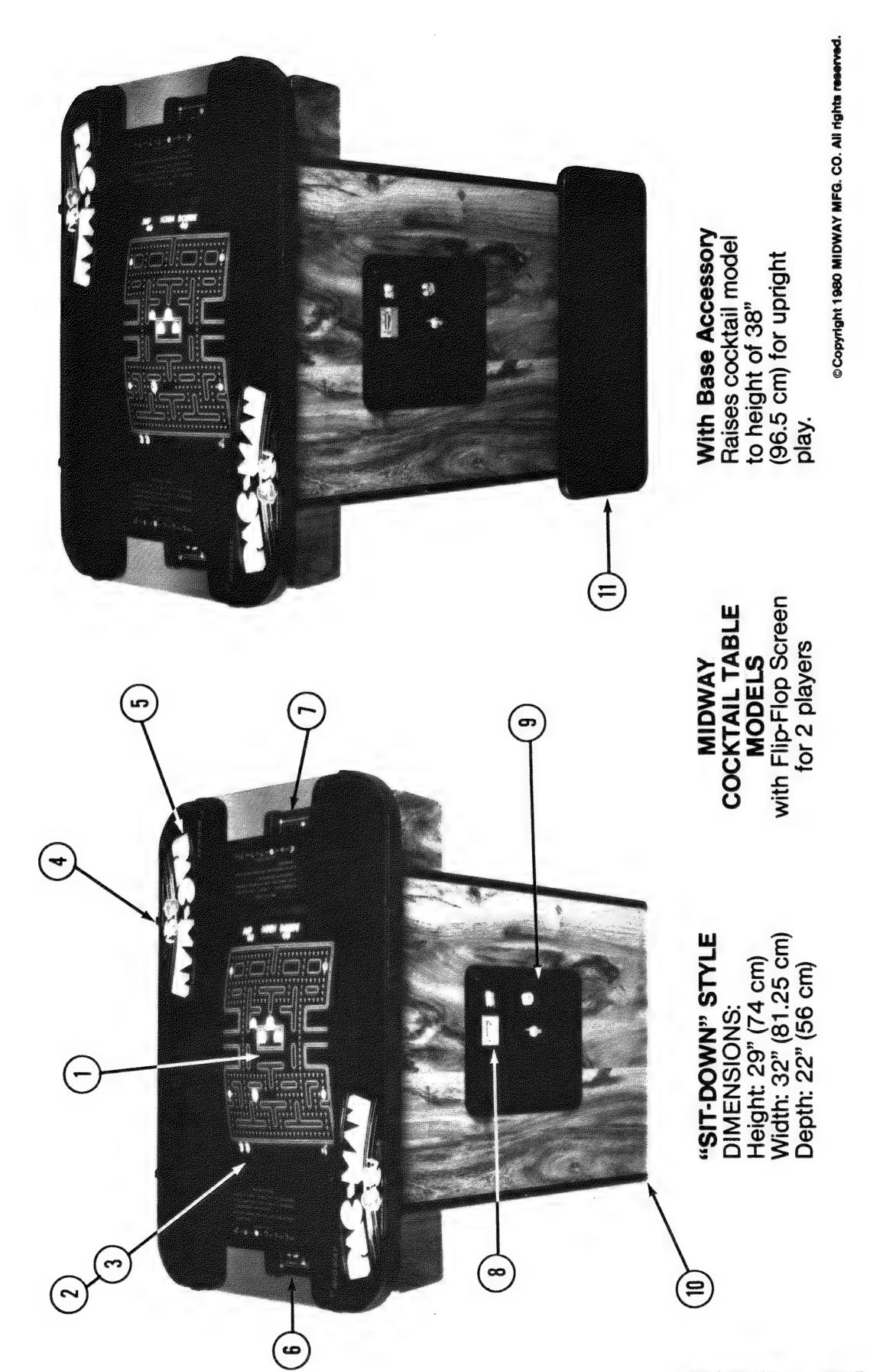
	URUER	BY PART NUMBER ONLY
ITEM	PART Nº	DESCRIPTION
1	0017-00009-B384	RED BUTTON - MINI ONLY
1 1	0017-00009-0384	BUTTON
2	0010-00593-0000	SPRING
3	0017-00009-0376	BUTTON HOUSING
4	0017-00104-0028	FLAT WASHER (2 REQ'D.)
5	0017-00100-0025	E-RING
	A761-00014-0000	PUSH BUTTON ASSY. (FIRST 5 ITEMS) - MINI ONLY
	A739-00012-0000	PUSH BUTTON ASSY. (FIRST 5 ITEMS)
6	0586-00107-0000	MOUNTING BRKT.
7	0017-00103-0054	PAL NUT
8	A739-00016-0000	SWITCH ASSY.
9	0020-00202-0000	SWITCH PLATE
10	0017-00101-0526	#5-40 x 9/16 PHIL. HD. M.S. (2 REQ'D.)

NO. 932 & 934 PAC-MAN UP-RIGHT & MINI - FRONT DOOR ASSY.



NO. 932 & 934 PAC-MAN UP-RIGHT & MINI - FRONT DOOR ASSY.

ITEM	PART Nº	DESCRIPTION
HEM	PARI NY	DESCRIPTION
1	0090-00902-0000	DRESS PLATE
	0090-00902-0100	DRESS PLATE W/O BUTTON TO START GAME
2	0017-00101-0552	#6-32 x 1/4 CARRIAGE BOLT (2)
3	0090-00117-03XF	COIN ENTRY PLATE (25¢)
4	0090-00906-0000	PLASTIC START BUTTON
5	0010-00007-0000	COMPRESSION SPRING
6	A090-00020-2003	DOOR ASSY. DOUBLE ENTRY
7	0017-00005-0050	DOOR LOCK & KEY WITH SCREW & NUT
8	0090-00002-02BK	DOUBLE DOOR FRAME
9	0017-00005-0041	421 N.S. CAM
10	0090-00901-0000	DOOR SWITCH
	0090-00126-01XF	SWITCH BACKUP PLATE
12	0017-00101-0528	#5-40 x 3/4'' LNG. M.S.
13	0090-00903-9500	25¢ WINDOW
14	0090-00143-0000	COIN PLEX RETAINER
15	0017-00104-0002	SPLIT LOCK WASHER
16	0017-00007-0019	KEY HOOK
17	0017-00103-0005	#6-32 HEX NUT
18	0090-00010-0000	SW. PLATE & OILLITE ASSY.
19	0017-00100-0018	"E" RING
20	0090-00131-0000	SWITCH
21	0090-00104-0000	TOP & BTM. COIN CHUTE W/BRKT. ASSY.
22	0017-00101-0598	#8 x 5/16 SCREW
23	0010-00181-0100	SPRING
24	0090-00129-00XF	PIVOT POST
25	0010-00134-0000	SPRING
26	0090-00008-0000	ACCEPTOR FRAME ASSY.
27	0093-00155-00XF	REJECTOR LEVER
28	0017-00100-0012	"E" RING
29	0090-00162-00XF	COIN SWITCH MTG. BRKT SMALL (AMERICAN)
29	0090-00163-00XF	COIN SWITCH MTG. BRKT LARGE
30	0017-00005-0203	COJN SWITCH CHUTE - SMALL (AMERICAN)
30	0017-00005-0204	COIN SWITCH CHUTE - LARGE
31	0017-00101-0555	#6-32 x 5/16 SCREW
32	0017-00005-0195	COINSWITCH
33	0010-00599-0000	COIN SWITCH WIRE
34	0017-00007-0132	PUSH-ON RING (BLK.)
35	0017-00101-0698	#4-40 x 3/4 SCREW (2 REQ'D.)
36	0090-00128-00XF	SWITCH BRKT DOOR TILT
	A090-00061-0000	ANTI-STRING DEVICE ASSY.
	A 000 00004 0000	(REPLACES ITEM 30)
	A090-00064-0000	ANTI-PENNY DEVICE ASSY.



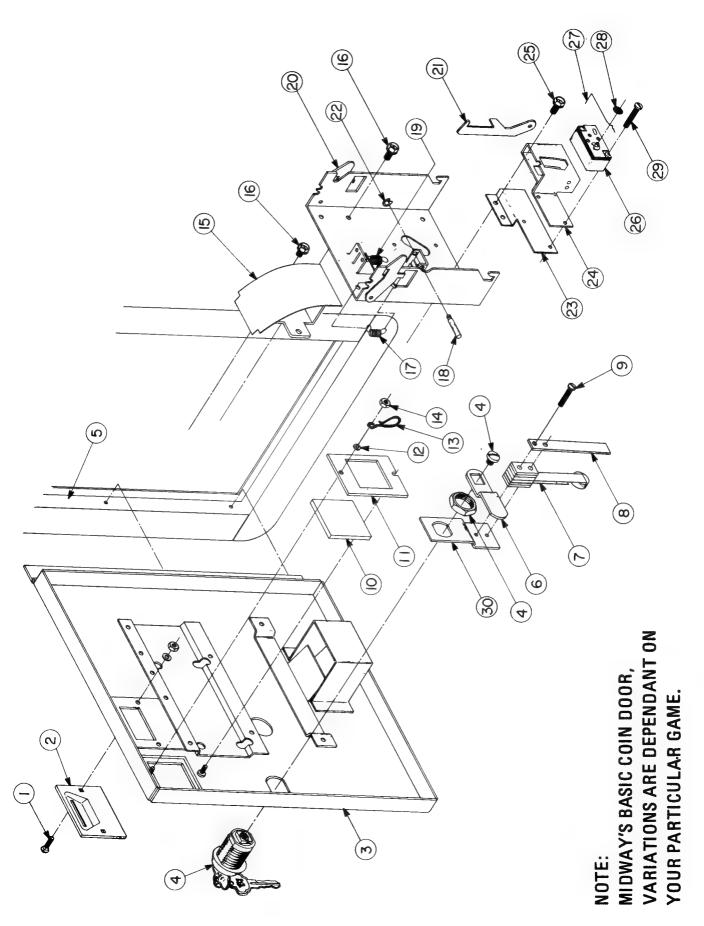
NO. 933 - PAC-MAN COCKTAIL - PHOTOGRAPH

	UNDEN	BT PART NUMBER ONLT
ITEM	PART Nº	DESCRIPTION
1	0017-00003-0339	19" COLOR DUAL SYNC. HORIZ. MONITOR -
		ELECTROHOME
	A869-00007-00XF	MONITOR SUPPORT ASSY L.H.
	A869-00007-01XF	MONITOR SUPPORT ASSY R.H.
	0869-00114-00XF	SUPPORT ANGLE (2 REQ'D.)
	0017-00101-0023	#8 x 3/8 PHIL. TRS. HD. SCR. (10 REQ'D.)
2	0869-00902-0000	T.V. BEZEL
3	0869-00907-0000	PLEXI 15'' x 18-3/4''
4	0775-00104-00XF	GLASS CLIP (8 REQ'D.)
	0017-00101-0017	#8 x 5/8 PHIL. TRS. HD. S.M.S. (16 REQ'D.)
5	0933-00900-00XF	GLASS TOP - 32'' x 22'' x 1/4''
6	0933-00901-0000	DECORATIVE CONTROL PANEL
		OVERLAY - PLAYER #1
	0933-00100-00XF	STEEL CONTROL PANEL - PLAYER #1
7	0933-00901-0100	DECORATIVE CONTROL PANEL
		OVERLAY - PLAYER #2
	0933-00100-01XF	STEEL CONTROL PANEL - PLAYER #2
	0017-00101-0341	#6 x 1/4 PHIL. TRS. HD. SCR (4 REQ'D. EACH)
	0017-00101-0620	#8-32 x 1/2 CARRIAGE BOLT (4 REQ'D. EACH)
	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D. EACH)
	0017-00032-0051	BUTTON SWITCH (2 REQ'D.) PLAYER #1 ONLY
	0921-00903-0000	LIGHT SHIELD (1 REQ'D. EACH)
	0017-00031-0044	LAMP SOCKET - WEDGE BASE (2 REQ'D. EACH)
	0017-00003-0219	#194 LAMP 14V. 27A. (2 REQ'D. EACH)
_	0017-00101-0555	#6-32 x 5/16 SLT. HEX HD. SCR. (2 REQ'D. EACH)
8	A090-00078-00BK	SINGLE COIN DOOR ASSY.
9	0090-00002-01BK	COIN DOOR FRAME
10	0017-00102-0048	3/8-16 x 2" LEG LEVELERS (4 REQ'D.)
	0017-00103-0026	3/8-16 LEG LEVELER HEX NUTS (4 REQ'D.)
11	0933-00501-0000	WOOD PEDESTAL - OPTIONAL
		NOT SHOWN LIST
	0869-00901-00XF	HINGE (CABINET TOP)
	0017-00101-0672	#10-32 x 1-1/8 CARRIAGE BOLT (8 REQ'D.)
	0017-00104-0004	#10 WASHER (8 REQ'D.)
	0017-00103-0010	#10-32 HEX NUT (8 REQ'D.)
	0017-00003-0187	6" x 9" SPEAKER 8 OHM, 9W
	0017-00009-0393	BLACK SPEAKER GRILL
	0017-00101-0642	#8-32 x 1-1/2 CARRIAGE BOLT (4 REQ'D.
	0017-00103-0061	#8-32 HEX NUT W/SEMS (4 REQ'D.)

NO. 933 - PAC-MAN COCKTAIL - PHOTOGRAPH

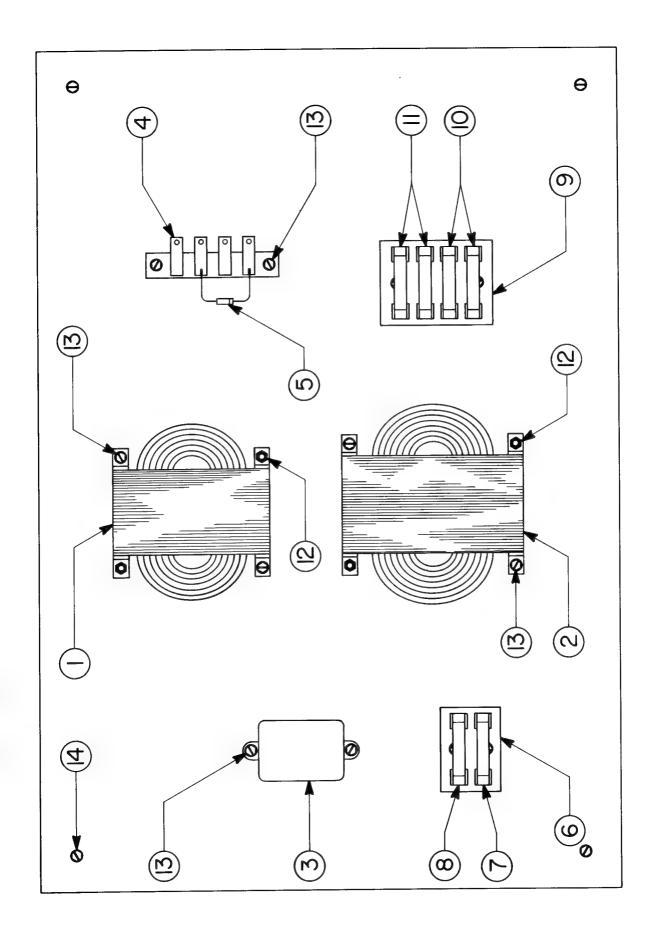
ITEM	PART Nº	DESCRIPTION
ITEM	0017-00003-0222 0775-00110-00XF 0749-00106-00XF 0017-00101-0347 0017-00104-0009 0017-00103-0005 0017-00101-0026	FAN ASSY. FAN FAN PLATE VENT SCREEN #6-32 x 1/2 PHIL R.H.M.S. (4 REQ'D.) #6 EXT. WASHER (4 REQ'D.) #6-32 HEX NUT (4 REQ'D.) #8 x 5/8 SLOT HEX HD. M.S. (4 REQ'D.)

NO. 933 - PAC-MAN COCKTAIL - ADDITIONAL PARTS LIST ORDER BY PART NUMBER ONLY



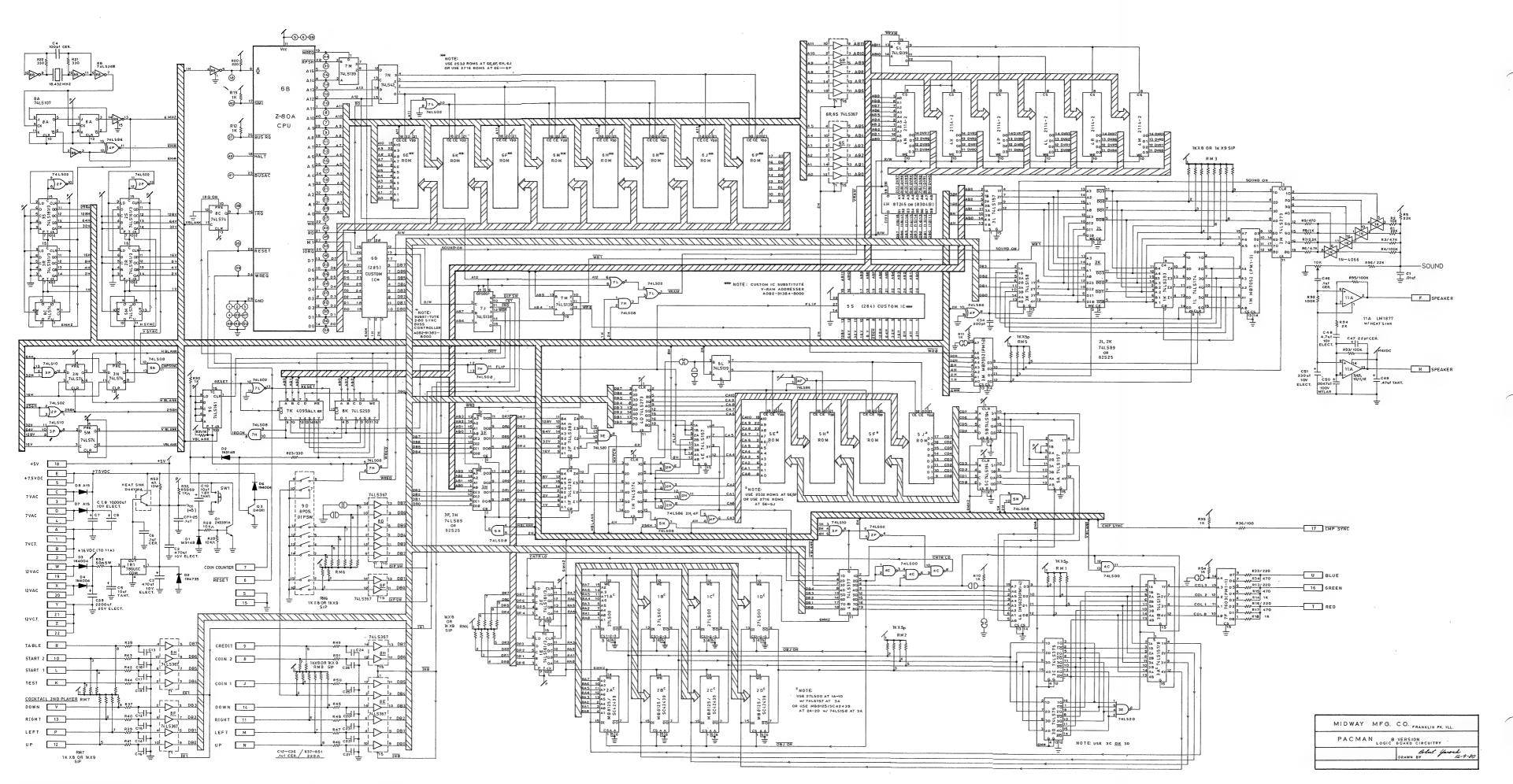
NO. 933 - PAC-MAN COCKTAIL - FRONT DOOR ASSY.

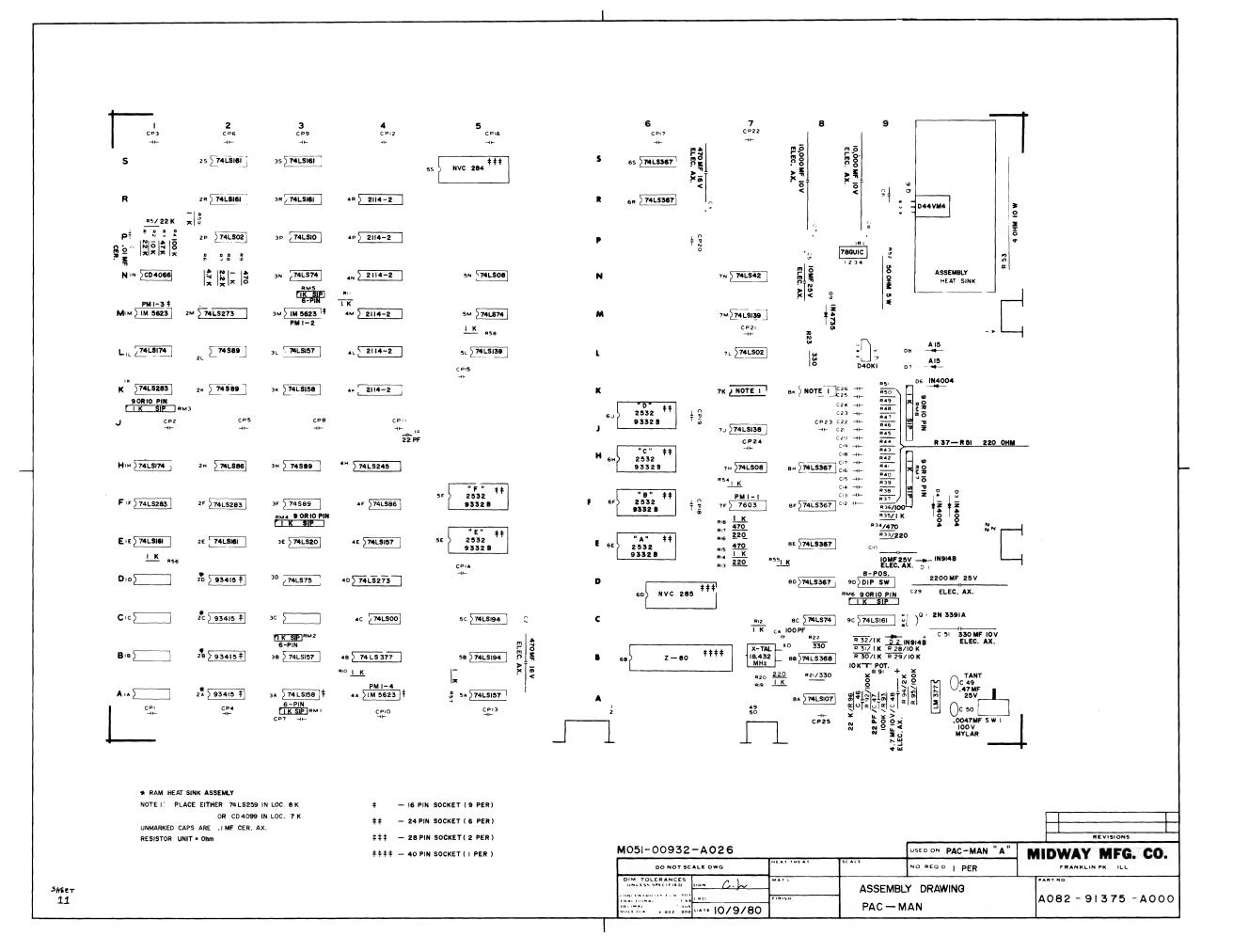
	ONDEN	BI PART NUMBER UNLT
ITEM	PART Nº	DESCRIPTION
1	0017-00101-0552	#6-32 x 1/4 CARRIAGE BOLT (2 REQ'D.)
2	0090-00117-03XF	COIN ENTRY PLATE (25¢)
3	A090-00058-0000	DOOR ASSY. SINGLE ENTRY
4	0017-00005-0050	DOOR LOCK & KEY WITH SCREW & NUT
5	0090-00002-01BK	SINGLE DOOR FRAME
6	0017-00005-0041	421 N.S. CAM
7	0090-00901-0000	DOOR SWITCH
8	0090-00126-01XF	SWITCH BACKUP PLATE
9	0017-00101-0528	#5-40 x 3/4 LONG M.S. (2 REQ'D.)
10	0090-00903-9500	25¢ WINDOW
11	0090-00143-0000	COIN PLEX RETAINER
12	0017-00104-0002	SPLIT LOCK WASHER (2 REQ'D.)
13	0017-00007-0019	KEY HOOK
14	0017-00103-0005	#6-32 HEX NUT (2 REQ'D.)
15	0090-00104-0000	TOP & BOTTOM COIN CHUTE W/BRKT. ASSY.
16	0017-00101-0598	#8-32 x 5/16 SCREW (4 REQ'D.)
17	0010-00181-0100	SPRING
18	0090-00129-00XF	PIVOT POST
19	0010-00134-0000	SPRING
20	0090-00008-0000	ACCEPTOR FRAME ASSY.
21	0093-00155-00XF	REJECTOR LEVER
22	0017-00100-0012	E-RING
23	0090-00162-00XF	COIN SWITCH MTG. BRKT SMALL (AMERICAN)
23	0090-00163-00XF	COIN SWITCH MTG. BRKT LARGE
24	0017-00005-0203	COIN SWITCH CHUTE - SMALL (AMERICAN)
24	0017-00005-0204	COIN SWITCH CHUTE - LARGE
25	0017-00101-0555	#6-32 x 5/16 SCREW (2 REQ'D.)
26	0017-00005-0195	COINSWITCH
27	0010-00599-0000	COIN SWITCH WIRE
28	0017-00007-0132	PUSH-ON RING (BLK.)
29	0017-00101-0698	#4-40 x 3/4 SCREW (2 REQ'D.)
30	0090-00128-00XF	SWITCH BRKT DOOR TILT
	A090-00061-0000	ANTI-STRING DEVICE ASSY.
	A 000 000C4 0000	(REPLACES ITEM 24)
	A090-00064-0000	ANTI-PENNY DEVICE ASSY.

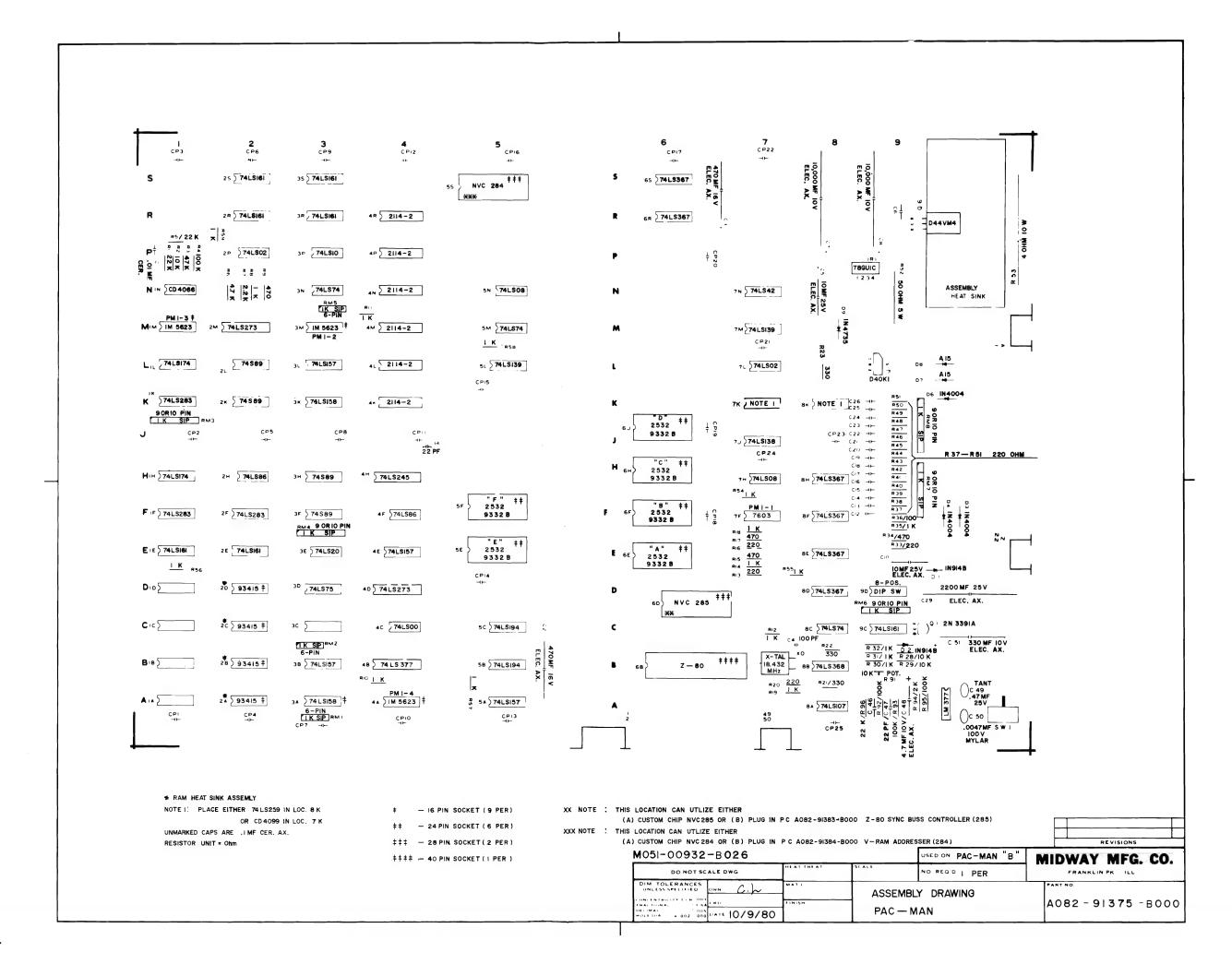


NO. 932 & 934 - PAC-MAN UP-RIGHT & MINI TRANSFORMER BOARD ASSEMBLY

ITEM	PART Nº	DESCRIPTION
1	MT00-00080-0000	TRANSFORMER - 110 VOLT
2	MT00-00081-0000	TRANSFORMER - 240 VOLT
3	0017-00003-0114	NOISE FILTER
4	A932-00024-0000	TERMINAL STRIP ASSY.
5	0064-030XX-XXPX	IN4004 400 V. DIODE
6	0720-00001-0200	2 POSITION FUSE CLIP
7	0017-00003-0004	FUSE 2A. SLO-BLO
8	0017-00003-0261	FUSE 1.5A. SLO-BLO
9	0720-00001-0400	4 POSITION FUSE CLIP
10	0017-00003-0169	FUSE 5A.(2 REQ'D.)
11	0017-00003-0001	FUSE 1A. (2 REQ'D.)
12	0017-00101-0637	#8-32 x 1-1/4 CARRIAGE BOLT (4 REQ'D.)
	0017-00103-0008	#8-32 HEX NUT (4 REQ'D.)
13	0017-00101-0014	#6 x 1/2 SLT. HEX HD. WD. SCR. (12 REQ'D.)
14	0017-00101-0018	#6 x 3/4 SLT. HEX HD. WD. SCR. (4 REQ'D.)
	A866-00049-0000	LINE CORD ASSY NOT SHOWN
	•	

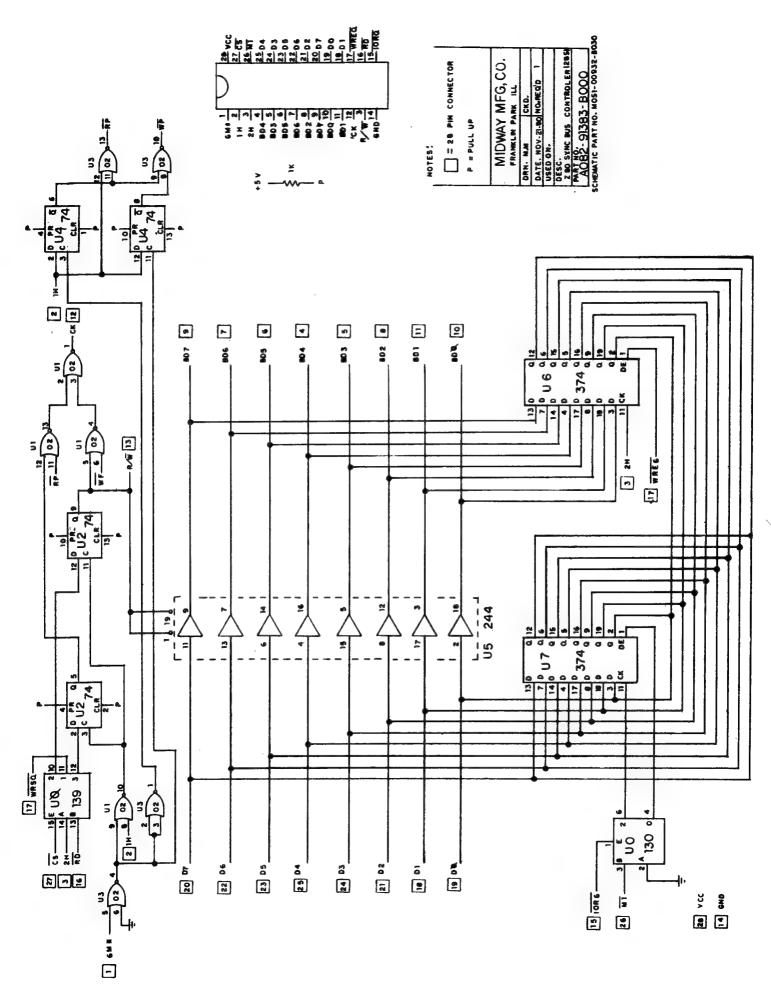


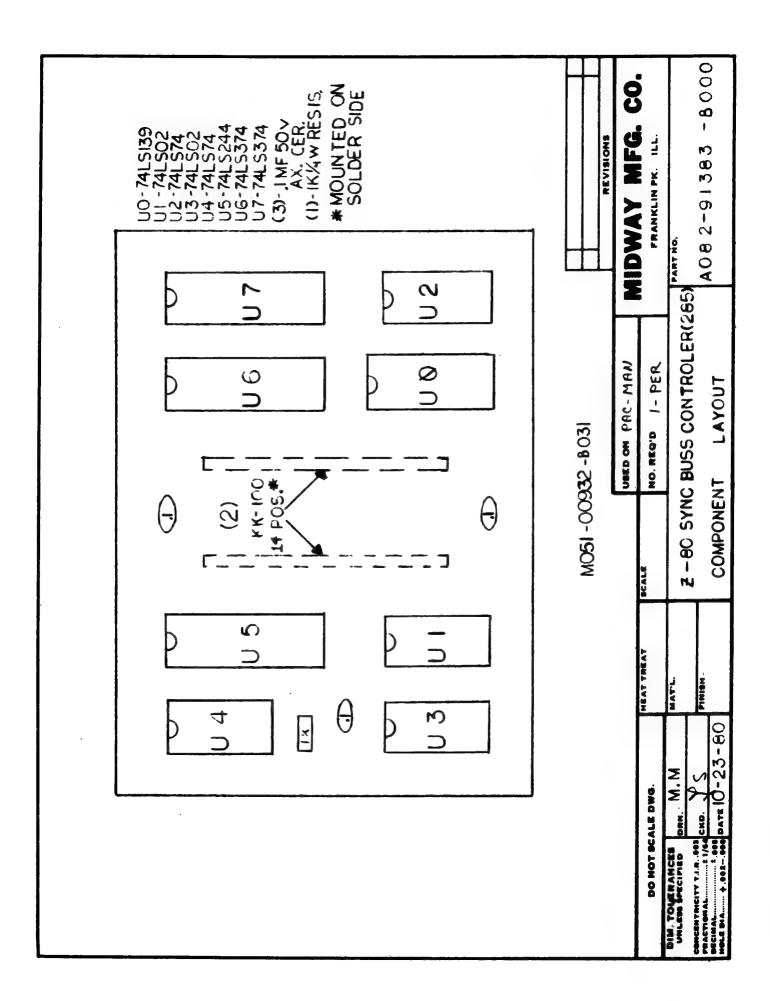


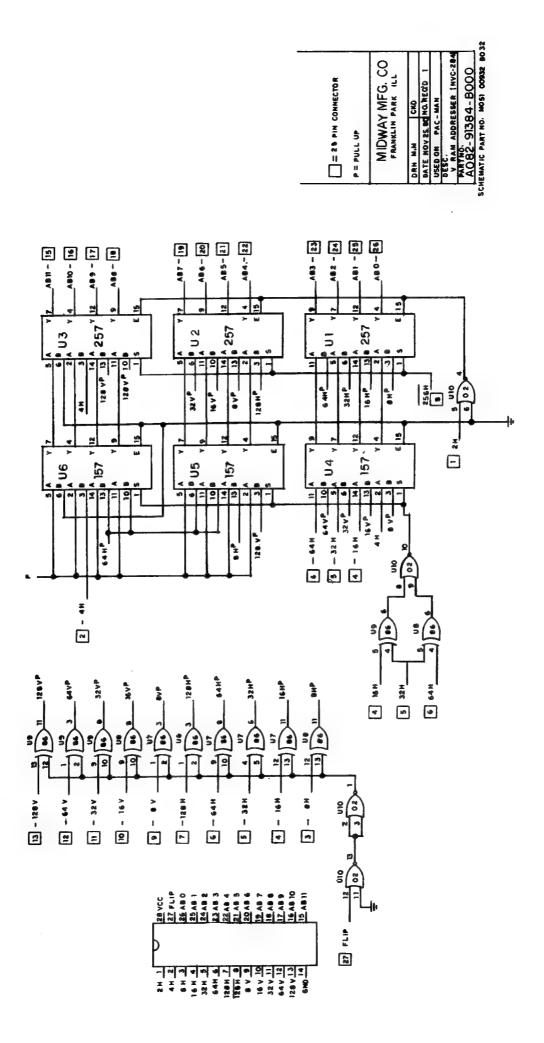


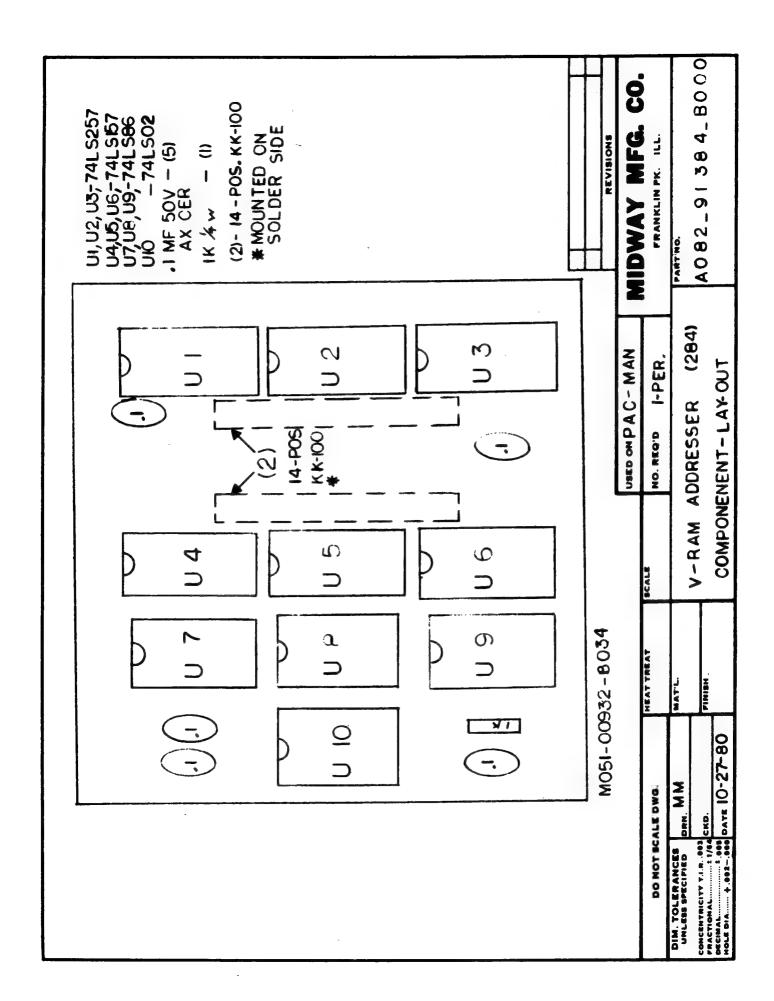
GAME BOARD P.C. PAC - MAN P.C. A082 - 91375 - A000 B000

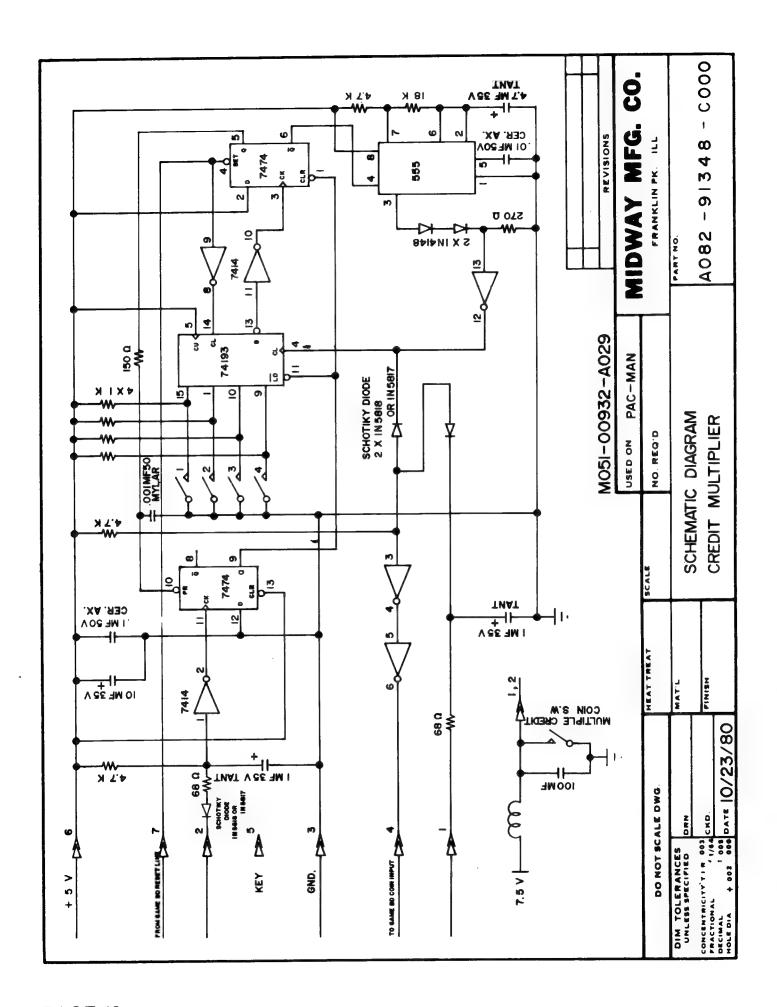
CHIP NUMBER	FUNCTION	CHIP NUMBER	FUNCTION
74LS00	Quad 2 input Nand	NVC284	Custom V Ram Addresser
74LS02	Quad 2 input Nor	NVC285	Custom Z80 Sync buss
74LS08	Quad 2 input And		controller
74LS10	Triple 3 input Nand	CD4066	Quad bilateral switch
74LS20	Dual 4 input Nand	2114	Ram 1K x 4
74LS42	BCD to decimal decoder	1M5623	Prom 256 x 4
74LS74	Dual "D" Flip-Flop	7603	Prom 32 x 8
74LS75	Quad latch	MCM 2532	Prom 4K x 8
74LS86	Quad 2 input exclusive or	SL 4239	Ram 1K x 1
74S89	64 Bit Ram 16 x 4	93415	Ram 1K x 1
74LS107	Dual "JK" Flip-Flop	27LS00	Ram 1K x 1
74LS138	3 to 8 line decoder	MB 8125	Ram 1K x 1
74LS139	Dual 2 to 4 line decoder	CD 4099	8 bit addressable latch
74LS157	Quad 2 to 1 line	N8T245	Octal bus transceiver
	multiplexer	54LS174	Hex "D" Flip-Flop
74LS158	Quad 2 to 1 line	MB7052	Prom 256 x 4
741.04.04	multiplexer inverting	MB7051	Prom 32 x 8
74LS161	4 Bit binary counter	8304	Octal bus transceiver
74LS174	Hex "D" Flip-Flop	Additional Devices	
74LS194	8 bit shift register	78GVIC	Voltage regulator
74LS245	Octal bus transceiver	D44VM4	Transistor NPN
74LS259	8 bit addressable latch	D40K1	Transistor NPN
74LS273	Octal "D" Flip-Flop	2N3391	Transistor NPN
74LS283	4 Bit full adder	1N4004	Diode
74LS367	Hex bus driver	A15	Diode
74LS368	Hex bus driver inverting	1N914B	Diode
74LS377	Octal "D" Flip-Flop	1N4737	6.2V Zener diode
Z80	CPU	18.4320	Crystal
LM377 - LM877	Dual audio amplifier	13.7020	J. 70tul

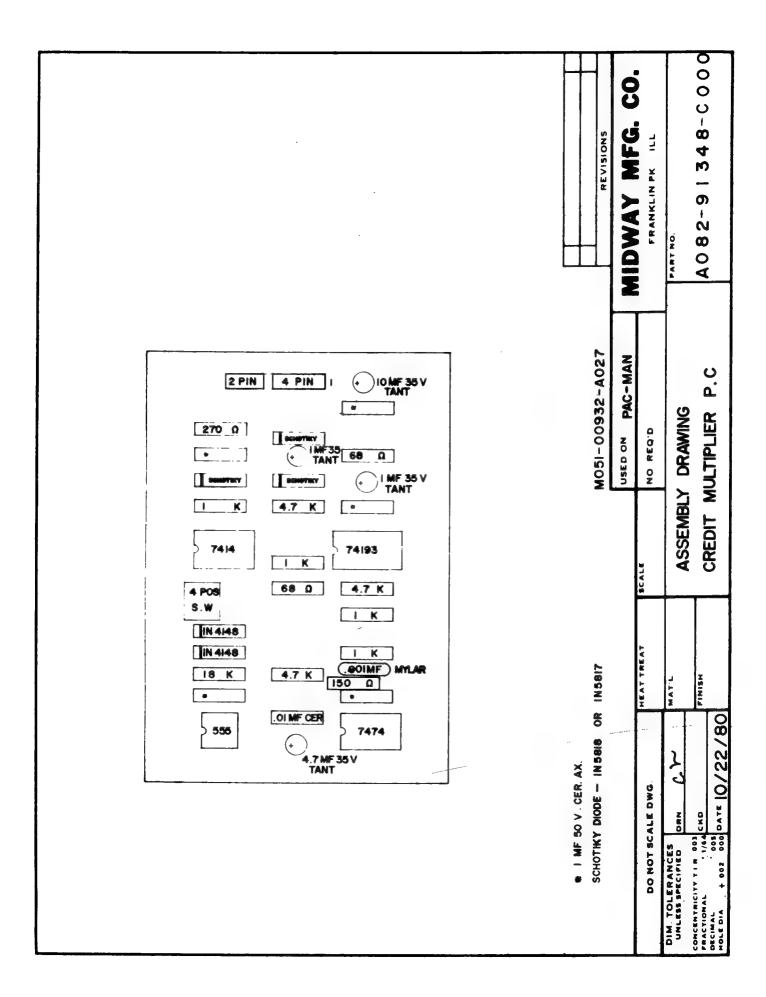


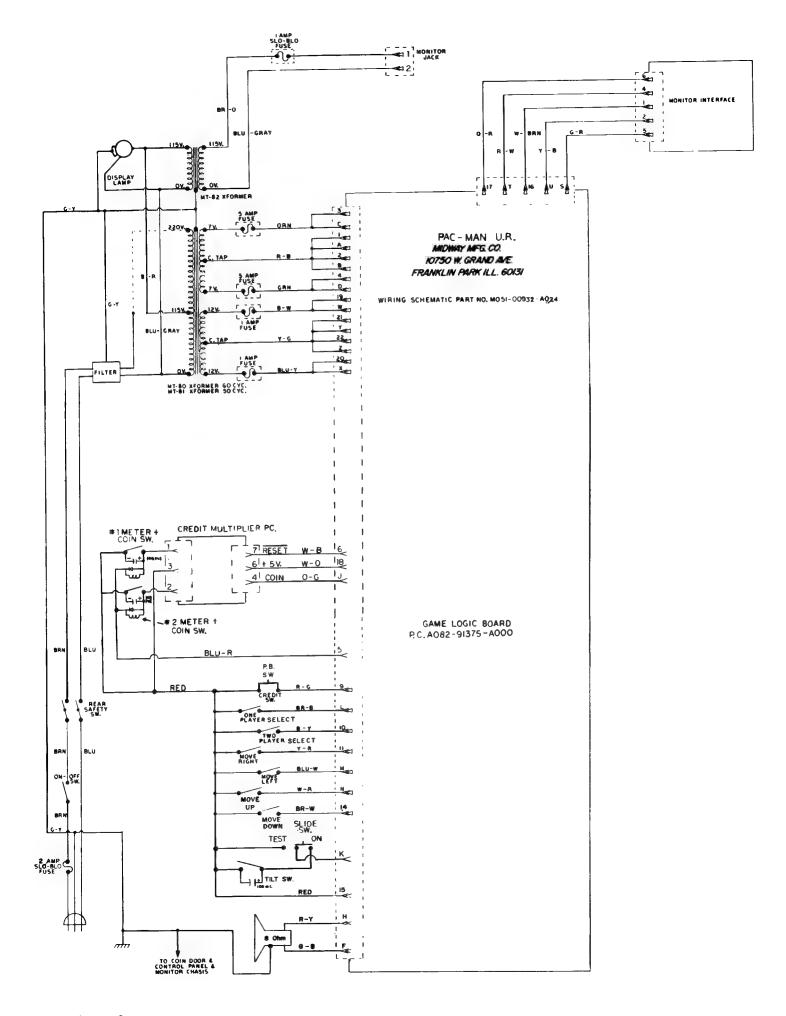


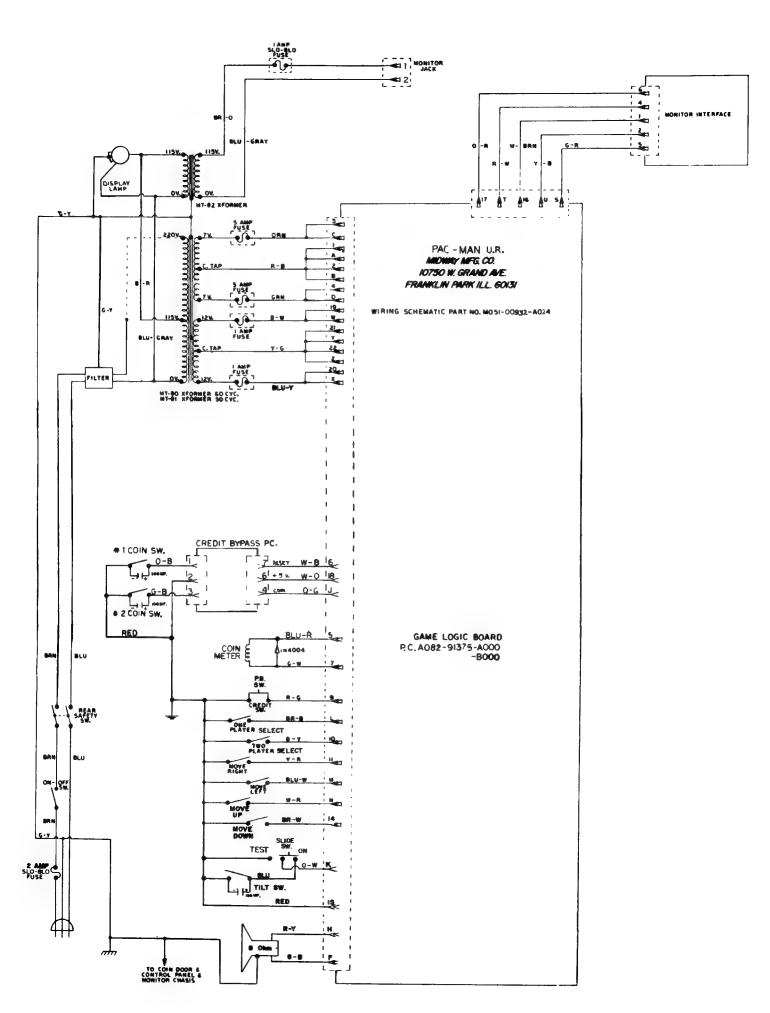


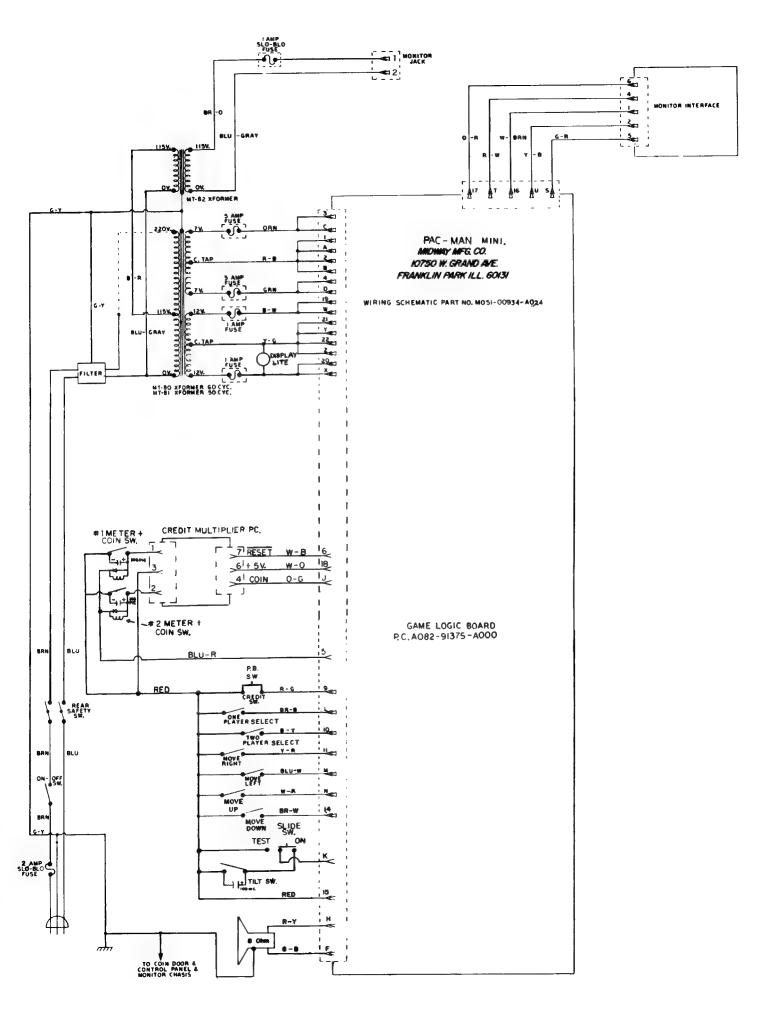


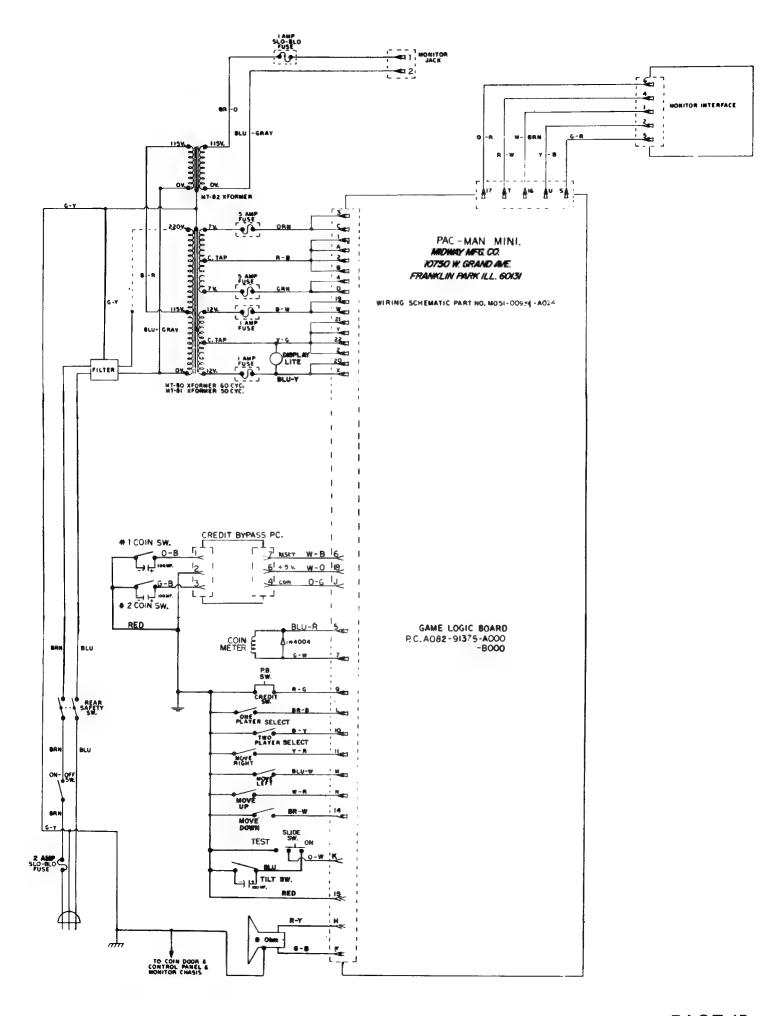


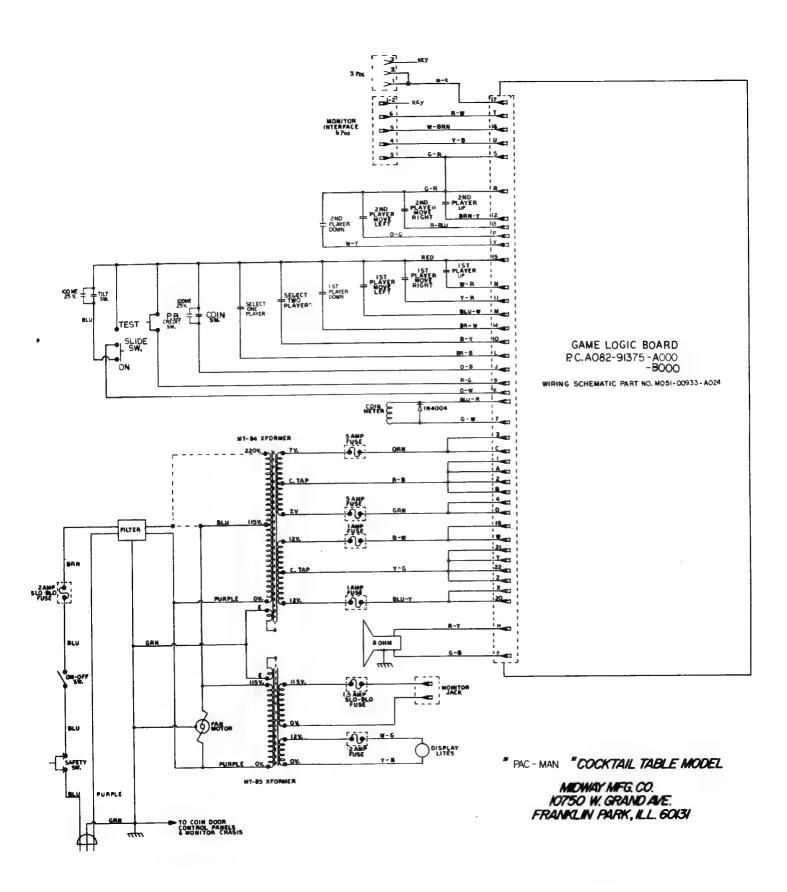


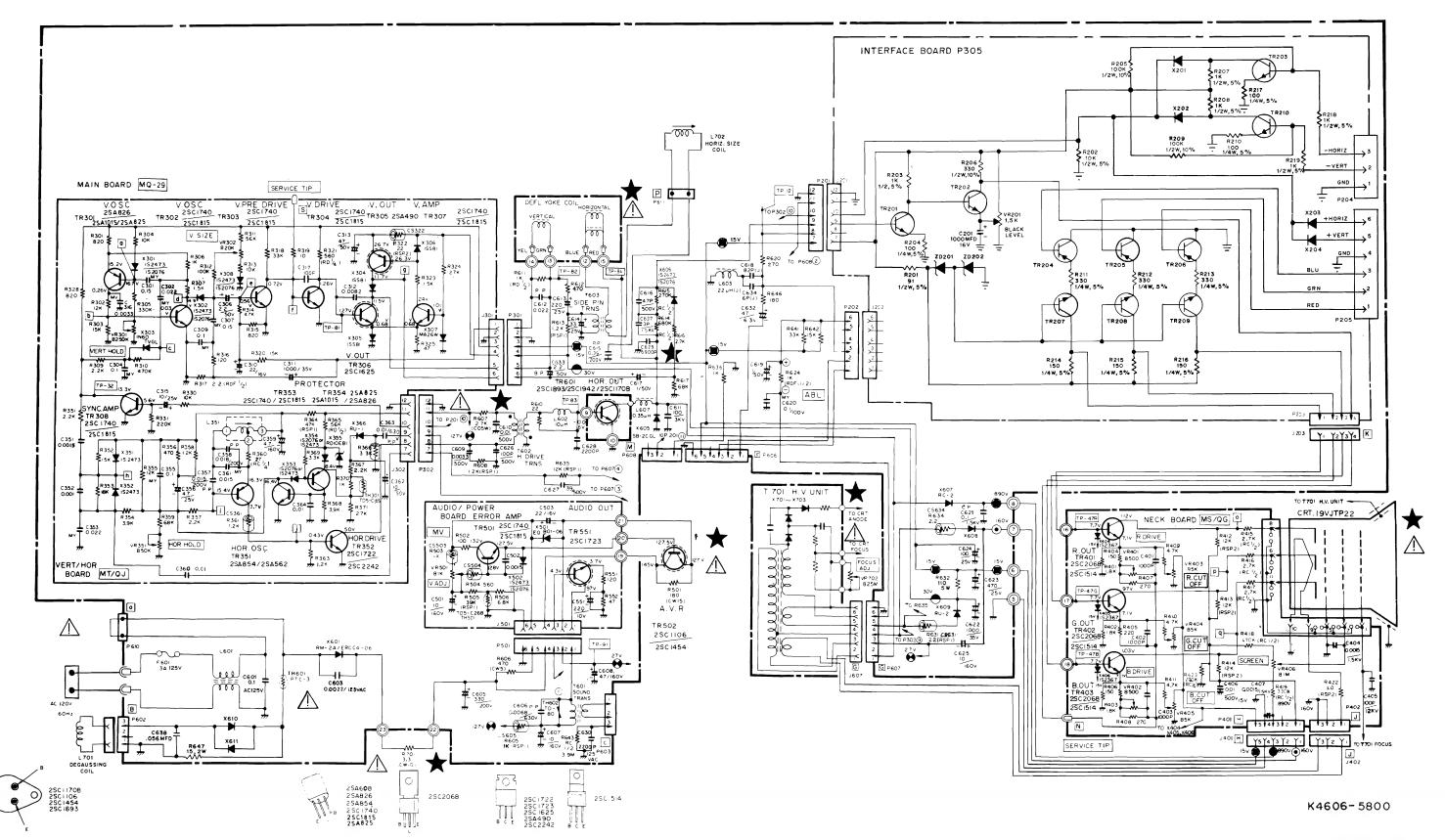












VERT/HOR BOARD (MT/QJ)

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
	RE	ESISTORS		CAPACITO	-
R301	203X6500-628	820 Ohm, ± 5%, 1/8W Carbon	C313	203X0025-087	47 uF, 50V Electrolytic
R302	203X6500-902	12k Ohm, ± 5%, 1/8W Carbon	C315	203X0015-082	10 uF, 25V Electrolytic
R303	203X6500-927	15k Ohm, ± 5%, 1/8W Carbon	C316	203X1100-220	3300 uF, 50V, ± 10% Mylar
R304 R305	203X6500-886 203X6501-241	10k Ohm, ± 5%, 1/8W Carbon 330k Ohm, ± 5%, 1/8W Carbor	C317 C351	202X8000-616 202X7000-281	100 pF, 50V, ± 10% Ceramic
R306	203X6500-645	1k Ohm, ± 5%, 1/8W Carbon	C352	202X7000-247	1500 pF, 50V, ± 10% Ceramic 1000 pF, 50V, ± 10% Ceramic
R307	203X6500-689	1.5k Ohm, ± 5%, 1/8W Carbon	C353	203X1100-573	0.022 uF, 50V, ± 10% Mylar
R309	203X6500-724	2.2k Ohm, ± 5%, 1/8W Carbon		203X1100-858	0.1 uF, 50V, ± 10% Mylar
R310 R311	203X6501-285 203X6501-065	470k Ohm, ± 5%, 1/8W Carbor 56k Ohm, ± 5%, 1/8W Carbon	C356 C357	203X0015-105 203X1201-013	4.7 uF, 25V Electrolytic 0.015uF, 200V ± 10% PP
R312	203X6501-126	100k Ohm, ± 5%, 1/8W Carbon		203X1201-034	0.018 uF, 200V, ± 10% PP
R313	203X6001-326	10k Ohm, ± 5%, 1/8W Carbon	C359	203X0040-013	4.7 uF, 160V Electrolytic
R314	203X6501-044	47k Ohm, ± 5%, 1/8W Carbon	C360	202X7000-482	0.01 uF, 50V, ± 10% Ceramic
R315 R316	203X6500-628 203X6500-420	820 Ohm, ± 5%, 1/8W Carbon 120 Ohm, ± 5%, 1/8W Carbon	C361 C362	203X1100-509 203X0025-058	0.015 uF, 50V, ± 10% Mylar
R317	203X6206-441	2.2 Ohm, ± 5%, 1/2W Carbon	C363	203X1205-487	10 uF, 50V Electrolytic 0.01 uF, 630V, ± 10% PP
R319	203X6500-169	100 Ohm, ± 5%, 1/8W Carbon	C364	202X7000-482	0.01 uF, 50V, ± 10% Ceramic
R320	203X6500-927	15k Ohm, ± 5%, 1/8W Carbon			
R321 R322	203X6700-509 203X9100-121	560 Ohm, ± 5%, 1/2W Carbon 22 Ohm, ± 5%, 2W M.O.		SEMIC	ONDUCTORS
R323	203X6500-689	1.5K Ohm, ±5%, 1/8W Carbon		SEMIC	ONDOCIONS
R324	203X6500-988	27k Ohm, ± 5%, 1/8W Carbon	TR301	200X4082-614	Transistor, 2SA826Q
R325	203X6500-326	47 Ohm, ± 5%, 1/8W Carbon	TR302	200X3174-006	Transistor, 2SC1740Q
R328	203X6500-628	820 Ohm, ± 5%, 1/8W Carbon	TR303	200X3174-006	Transistor, 2SA1740Q
R330 R331	203X6500-886 203X6501-209	10k Ohm, ± 5%, 1/8W Carbon 220k Ohm, ± 5%, 1/8W Carbon	TR304 TR305	200X3174-006 200X4049-081	Transistor, 2SC1740Q
R351	203X6500-724	2.2k Ohm, ± 5%, 1/8W Carbon		200X3162-538	Transistor, 2SA490YLBGLI Transistor, 2SC1625YLBGLI
R352	203X6500-927	15k Ohm, ± 5%, 1/8W Carbon	TR307	200X3174-014	Transistor, 2SC1740R
R353	203X6500-944	18k Ohm, ± 5%, 1/8W Carbon	TR308	200X3174-006	Transistor, 2SC1740Q
R354	203X6500-783	3.9k Ohm, ± 5%, 1/8W Carbon		200X4085-415	Transistor, 2SA854Q
R355 R356	203X6500-902 203X6500-561	12k Ohm, ± 5%, 1/8W Carbon 470 Ohm, ± 5%, 1/8W Carbon	TR352 TR353	200X3172-208 200X3174-006	Transistor, 2SC1722BKS
R357	203X6500-724	2.2k Ohm, ± 5%, 1/8W Carbon	TR354	200X4082-614	Transistor, 2SC1740Q Transistor, 2SA826Q
R358	203X6500-666	1.2k Ohm, ± 5%, 1/8W Carbon	X301	201X2010-144	Diode, (SI) IS2473-T72
R359	203X6501-088	68k Ohm, ± 5%, 1/8W Carbon	X302	201X2010-144	Diode, (SI) IS2473-T72
R360 R361	203X5500-471 203X6000-998	27 Ohm, ± 5%, 1/4W Comp. 1.2k Ohm, ± 5%, 1/8W Carbon	X303	200X8000-026	Diode, (GE), IN60TVGL
R363	203X6500-998 203X6500-666	1.2k Ohm, ± 5%, 1/8W Carbon	X304 X305	200X8010-165 201X2010-165	Diode (SI) ISS81 Diode (SI) ISS81
R364	203X9014-988	47k Ohm, ± 5%, 1W M.O.	X306	201X2010-165	Diode (SI) ISS81
R365	203X6700-989	56k Ohm, ± 5%, 1/2W Carbon	X307	200X8010-102	Diode (SI) MA26W
R366	203X6001-148	3.3k Ohm, ±5%, 1/8W Carbon	X308	200X8010-094	Diode (SI) IS2473
R367 R368	340X2222-734 203X6500-785	2.2k Ohm, ± 5%, 1/2W Carbon 3.9k Ohm, ± 5%, 1/8W Carbon	X351 X352	201X2010-144	Diode (SI) IS2473-T72
R369	203X6500-763	3.3k Ohm, ± 5%, 1/4W Carbon	X353	201X2010-144 201X2010-144	Diode (SI) IS2473-T72 Diode (SI) IS2473-T72
R370	302X6100-961	1k Ohm, ± 5%, 1/4W Carbon	X354	201X2010-144	Diode (SI) IS2473-T72
R371	203X6104-751	2.7k Ohm, ± 5%, 1/4W Carbon	X355	200X8220-851	Diode (Zener) RD10EBI
VR301 VR302	204X2122-093 204X2114-065	Varistor, 250K Ohm, Vert. Hold Varistor, 20K Ohm, Vert. Size	X366	200X8100-130	Diode (HS) RU-1 0.3 US
VR351	204X2114-059	Varistor, 50K Ohm, Hor. Hold		MISCI	ELLANEOUS
	CA	PACITORS			
			J301	204X9300-958	Socket, 6 Pin
C301	203X1100-928	0.15 uF, 50V, ± 10% Mylar	J302 P301	204X9300-958 204X9601-195	Socket, 6 Pin Plug, 6 Pin
C302 C304	203X1100-573 203X1100-858	0.022 uF, 50V, \pm 10% Mylar 0.1 uF, 50V, \pm 10% Mylar	P302	204X9601-195	Plug, 6 Pin
C304 C306	203X0025-026	2.2 uF, 50V, Electrolytic	TH301	201X0000-534	Thermistor
C307	203X1100-928	0.15 uF, 50V, ± 10% Mylar			
C309	203X1100-858	0.1 uF, 50V, ± 10% Mylar		TRANSFO	RMERS & COILS
C310	203X0010-011	22 uF, 16V Electrolytic 1000 uF, 35V Electrolytic		IIIAIIOIO	MINIEMO & COILO
C311 C312	203X0020-099 202X7000-469	0.0082 uF, 50V, ± 10% Ceramic	L351	201X5200-091	Coll, Horiz. Osc.
		POWER B	OARD (MV)	
			•	•	
R501	204X1725-052	ESISTORS	C503 C551	203X0010-011 203X0005-046	22 uF, 16V Electrolytic 220 uF, 10V Electrolytic
R502	203X6000-608	180 Ohm, ± 10%, 15W WW 100 Ohm, ± 5%, 1/8W Carbon		SEMIC	CONDUCTORS
R503 R504	203X6000-960 203X6000-879	1k Ohm, ± 5%, 1/8W Carbon			
R505	203X9014-965	560 Ohm, ± 5%, 1/8W Carbon 39k Ohm, ± 5%, 1W M.O.	TR501	200X3174-006	Transistor, 2SC1740Q
R506	203X6500-842	6.8k Ohm, ± 5%, 1/8W Carbon	△★TR502 TR551	200X3145-404 200X3172-305	Transistor, 2SC1454 Transistor, 2SC1723
R551	203X6500-420	120 Ohm, ± 5%, 1/8W Carbon	X501	201X2230-042	Diode, (SI) Zener EQB01-06V
VR501	204X2050-001	Varistor Vert. Adj.	X502	201X2010-144	Diode, (SI) IS2473-T72
	CA	PACITORS		MISC	ELLANEOUS
C501	203X0040-020	10 uF, 160V Electrolytic	J501	204X9300-958	Socket, 6 Pin
C502	202X7000-281	1500 pF, 50V, ± 10% Ceramic	P501	204X9601-195	Plug, 6 Pin
			TH501	201X0000-618	Thermistor

NECK BOARD (MS/QG)

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
	RES	SISTORS			
D.101	203X6500-709	1.8k Ohm ± 5% 1/8W Carbon			
R401	203X6500-709 203X6500-709	1.8k Ohm ± 5% 1/8W Carbon	C403	202X7000-247	1000 pF, 50V, 10% Ceramic
R402	203X6500-709 203X6500-709	1.8k Ohm ± 5% 1/8W Carbon	C404	202X7110-019	1500 pF, 2kV ± 10% Ceramic
R403		150 Ohm ± 5% 1/8W Carbon	C405	202X7150-018	100 pF, 12kV, ± 10% Ceramic
R404	203X6500-447	220 Ohm ± 5% 1/8W Carbon	C406	202X7050-483	.01 uF, 500V, ± 10% Ceramic
R405	203X6500-481	150 Ohm ± 5% 1/8W Carbon	C407	202X7110-019	1500 pF, 2kV ± 10% Ceramic
R406	203X6500-447	270 Ohm ± 5% 1/8W Carbon	C408	202X8000-550	68 pF, 50V, ± 10% Ceramic
R407	203X6500-508		C409	202X8000-550	68 pF, 50V, ± 10% Ceramic
R408	203X6500-508	270 Ohm ± 5% 1/8W Carbon	C410	202X8000-550	68 pF, 50V, ± 10% Ceramic
R409	203X6500-800	4.7k Ohm ± 5% 1/8W Carbon			, , , , , , , , , , , , , , , , , , , ,
R410	203X6500-800	4.7k Ohm ± 5% 1/8W Carbon			
R411	203X6500-800	4.7k Ohm ± 5% 1/8W Carbon			
R412	203X9104-809	12k Ohm ± 5% 2.0W Metal Oxide		SEMICO	NDUCTORS
R413	203X9104-809	12k Ohm ± 5% 2.0W Metal Oxide			
R414	203X9104-809	12k Ohm ± 5% 2.0W Metal Oxide			_
R415	203X5601-313	2.7k Ohm ± 10% 1/2W Comp.	TR401	200X3206-800	Transistor, 2SC2068, 2SC1514
R416	203X5601-313	2.7k Ohm ± 10% 1/2W Comp.			(R output)
R417	203X5601-313	2.7k Ohm $\pm 10\%$ 1/2W Comp.	TR402	200X3206-800	Transistor, 2SC2068, 2SC1514
R418	203X5602-254	470k Ohm ± 10% 1/2W Comp.			(G output)
R419	203X5602-185	330k Ohm ± 10% 1/2W Comp.	TR403	200X3206-800	Transistor, 2SC2068, 2SC1514
R422	203X9105-117	1.0 Ohm ± 10% 2W Metal Oxide			(B output)
R423	203X5102-155	270k Ohm ± 5% 1/4W Carbon	X404	201X2100-126	Diode, IS2367 (protector)
VR401	204X2115-014	500 Ohm Varistor R Drive	X405	201X2100-126	Diode, IS2367 (protector)
VR402	204X2115-014	500 Ohm Varistor B Drive	X406	201X2100-126	Diode, IS2367 (protector)
VR403	204X2115-006	5k Ohm Varistor R Cutoff	A400	20122100-120	blode, 132307 (protector)
VR404	204X2115-006	5k Ohm Varistor G Cutoff			
VR405	204X2115-006	5k Ohm Varistor B Cutoff			
VR406	204X2000-025	1M Ohm Varistor Screen		MISC	ELLANEOUS
	CAPA	CITORS	J401	206X5003-729	Socket, 5 Pin
	OA! A		J402	206X5003-729 206X5003-983	Socket, 3 Pin
	20072000 047	1000 pF, 50V, 10% Ceramic	P401	204X9600-329	Piug, 5 Pin
C401	202X7000-247	1000 pF, 50V, 10% Ceramic	P402		
C402	202X7000-247	1000 pr., 504, 1076 Obtaining	P402	204X9600-254	Plug, 3 Pin

△★ 297X2000-072 HIGH VOLTAGE ASSEMBLY (T701)

△★R701 VR702
X701
X702
X703

204X1625-058 204X3901-125 3.3 Ohm, ± 10% 10W WW Resistor Focus Control Diode (SI HV) Diode (SI HV) Part of T701 Diode (SI HV)

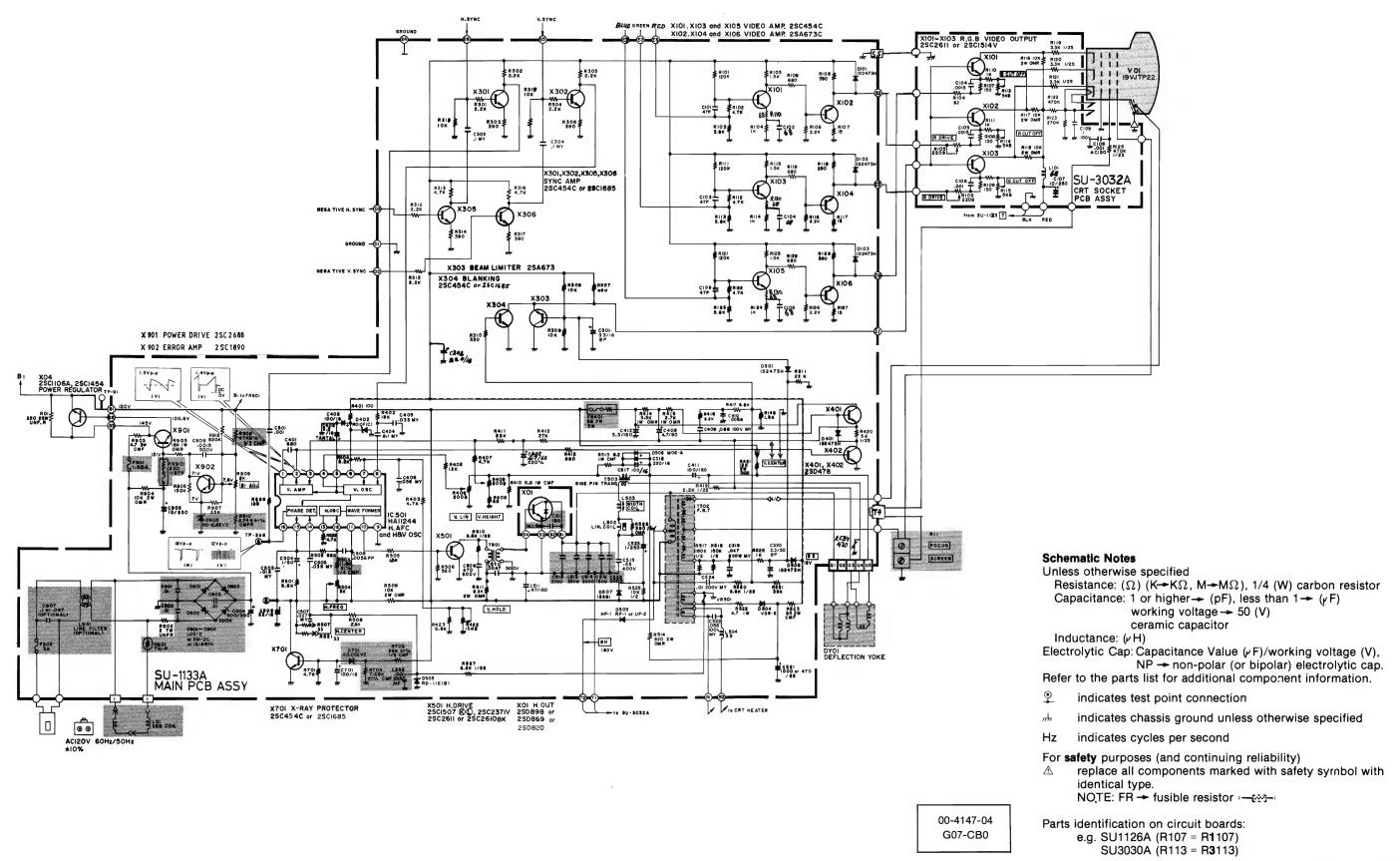
FINAL ASSEMBLY PARTS

△ ★88X-0129-506 38A5554-000 205X9800-256 △ ★202X1110-810 208X2000-946 297X2000-072 6A0397 9A2753-003

19VJTP22 Pix Tube Assy. Purity Shid/Degaussing Lateral/Purity Assembly Yoke, Deflection CRT Socket HV Unit (T701) Plug, Line Cord Degaussing Coil (L701)

INTERFACE BOARD (P305) (MODEL 19K4606)

	RE	SISTORS		SEMIC	ONDUCTORS
R201 R203 R204 R206 R207 R208 R209 R210 R211 R212 R213	340X3910-934 340X3102-934 340X2101-934 340X3331-944 340X3102-934 340X2152-934 340X2101-934 340X2331-934 340X2331-934 340X2331-934 340X2231-934	91 Ohm, 5%, 1/2W Carbon 1k Ohm, 5%, 1/2W Carbon 100 Ohm, 5%, 1/2W Carbon 330 Ohm, 10%, 1/2W Carbon 1k Ohm, 5%, 1/2W Carbon 1.5k Ohm, 5%, 1/4W Carbon 100 Ohm, 5%, 1/4W Carbon 330 Ohm, 5%, 1/4W Carbon 330 Ohm, 5%, 1/4W Carbon 330 Ohm, 5%, 1/4W Carbon 200 Ohm, 5%, 1/4W Carbon	TR201 TR202 TR203 TR204 TR205 TR206 TR207 TR208 TR209 ZD201 ZD202	86X0121-001 86X0121-001 86X0121-001 86X0066-001 86X0066-001 86X0066-001 86X0121-001 86X0121-001 86X0121-001 66X0040-018	Transistor (NPN) Transistor (NPN) Transistor (NPN) Transistor (PNP) Transistor (PNP) Transistor (PNP) Transistor (NPN) Transistor (NPN) Transistor (NPN) Transistor (NPN) Transistor (NPN) Diode, Zener, 6.8v, 5%, 0.5W Diode, Zener, 3.9v, 5%, 0.5W
R215 R216 VR201	340X2201-934 340X2201-934 40X0590-017	200 Ohm, 5%, 1/4W Carbon 200 Ohm, 5%, 1/4W Carbon 1.5k Ohm, Black Level Control	J201	MISCE 204X9300-958	ELLANEOUS
C201	CAF 45X0524-038	PACITORS 1000 uF, 16V Electrolytic	J202 J203 P201 P202 P203 P205	204X9300-958 204X9300-958 206X5019-207 204X9601-195 204X9600-845 6A0393-006	Socket, 6 Pin Socket, 6 Pin Socket, 4 Pin Plug, 6 Pin Plug, 6 Pin Plug, 4 Pin Plug, 6 Pin



PAGE 50

REPLACEMENT PARTS LIST - ELECTROHOME 19" MONITOR

Components identified by the \triangle symbol in the PARTS LIST and on the Schematic have special characteristics important to safety.

DO NOT degrade the safety of the set through improper servicing.

Abbreviations for Resistors and Capacitors

Resistor		Capacitor	
C R Comp. R	: Carbon Resistor: Composition Resistor	•	Ceramic Capacitor Mylar Capacitor
OM R	: Oxide Metal Film Resistor		Electrolytic Capacitor
V R	: Variable Resistor	BP E Cap. :	Bi-Polar (or Non-Polar)
MF R	: Metal Film Resistor		Electrolytic Capacitor
CMF R	: Coating Metal Film Resistor	MM Cap. :	Metalized Mylar Capacitor
UNF R	: Nonflammable Resistor	PP Cap. :	Polypropylene Capacitor
FR	: Fusible Resistor	MPP Cap. :	Metalized PP Capacitor
		PS Cap :	Polystyrol Capacitor
		Tan. Cap. :	Tantal Capacitor

NOTE: When ordering replacement parts please specify the part number as shown in this list including part name, and model number. Complete information will help expedite the order.

Use of substitute replacement parts which do not have the same safety characteristics as specified, may create shock, fire or other hazards. For maximum reliability and performance, all parts should be replaced by those having identical specifications.

SERVICE REPLACEMENT PARTS LIST

Symbol

DescriptionMain P.C.B. Ass'y
CRT Socket P.C.B. Ass'y
Purity Shield Ass'y

Part Number SU-1133A SU-3032A 07-220083-03

Outside of the P.C.B. Ass'y

Symbol	Description	Part Number
Cylinde.	Picture Tube 19"	17-7198-03
Δ	⚠Deflection Yoke	A29779-D = 21-141-01
A	PC Magnet	A75034-B = 29-32-01
A	∆Flyback Transf.	A29951-B
∆	ΔHVR	A46600-A
⚠ ⚠ R05	UNF Resistor 220 Ω,25W K	QRF258K-221
C04	C Capacitor 150pF, AC1.5KV	QCZ0101-005
X01	Si. Transistor	2SD870
X02	Si. Transistor	2SC1106A
SC	Screw #8-3/8	31-610818-06
SC	Screw ¼ x ¾ Pix Tube Mtg. (4)	31-601418-12
WA	Pyramidal Lock Washer (4)	33-255-01
***	Nut Retainer, Pix Tube Mtg. (4)	33-494-01
	Clip — P.C.B. Support	33-629-02
	Standoff	33-670-010R-02
	Wire Terminal (Gnd. Strap)	34-228-03
	Terminal Lug (Gnd.)	34-33-04
	Groundstrap Assy.	34-574-02
	Grounding Spring	35-212-03
	Wire Hook (Gnd. Strap)	35-3053-02
	Purity Shield Holddown Clamp	35-2348-01
	Support Brkt. RH	35-3890-01
	Support Brkt. LH	35-3890-02
	Chassis Base	38-449-02
	Yoke Wedge (3)	39-1233-01

Purity Shield Ass'y. Parts List

Symbol	Description	Part Number
-	Degaussing Coil	21-1007-30
D911, D912	Rectifier 1 Amp 600V (2)	28-22-27
2011, 2012	Pin Terminal (2)	34-708-01
	Pin Terminal Housing	34-709-01
	Purity Shield (2 pcs.)	35-3847-01
	Purity Shield (2 pcs.)	35-3847-02
C911	Capacitor 100nF 10% 400V	48-171544-62
R921	Resistor, Wirewound 33 Ω, 4W	42-113301-03
	Fire Retardent Term. Strip 4 Lug	34-492-09

CRT Socket P.C.B. Ass'y (SU-3032A) Parts List

Citi Cooket i ioibi	Also y (Go Good I) I will also	
Resistors		
Symbol	Description	Part Number
R3105	V R 200	QVZ3234-022
R3106	V R 200	QVZ3234-022
R3113	V R 5K	QVZ3234-053
R3114	V R 5K	QVZ3234-053
R3115	V R 5K	QVZ3234-053
R3116	OM R 10KΩ2W J	QRG029J-103
R3117	OM R 10KΩ2W J	QRG029J-103
R3118	OM R 10KΩ2W J	QRG029J-103
R3119	Comp. R 3.3KΩ½W K	QRZ0039-332
R3120	Comp. R 3.3KΩ½W K	QRZ0039-332
C3121	Comp. R 3.3KΩ½W K	QRZ0039-332
Capacitors	•	
Symbol	Description	Part Number
C3107	E Čap. 10uF 250V A	QEW53EA-106
C3108	C Cap. 1000pF DC1400V P	QCZ9001-102M
Colls		
Symbol	Description	Part Number
L3101	Peaking Coil	QQL043K-101
	_	

Semiconductors
Symbol Description Part Number
X3101 Si. Transistor 2SC1514VC
X3102 Si. Transistor 2SC1514VC
X3103 Si. Transistor 2SC1514VC

Miscellaneous

Description ⚠CRT Socket

Main PCB Ass'y (SU-1133A) Parts List

Symbol 🛆

Resistors				
Symbol	Descri			Part Number
R1406	V	R	200Ω	QVZ3230-002
R1408	V	R	200Ω	QVZ3230-002
R1410	CMF	R	6.8 Ω1W J	QRX019J-6R8
R1414	ОМ	R	3.3K Ω1W J	QRG019J-332
R1415	ОМ	R	2.7K Ω1W J	QRG019J-272
R1421	ОМ	R	12KΩ2W J	QRG026J-123Z
R1422	V	R	10K Ω	QVZ3230-014
∆ FR1401	ÆF	R	68Ω2W K	QRH024K-680M
∆ R1503	⚠CMF	R	11.8KΩ¼W +1%	QRV142F-1182
R1504	V	R	5Κ Ω	QVZ3230-053
R1509	ОМ	R	10KΩ2W J	QRG026J-103Z
R1512	ОМ	R	8.2KΩ2W J	QRG026J-822Z
R1514	OM	R	820Ω2W J	QRG026J-821Z
R1515	CMF	R	8.2Ω1W J	QRX019J-8R2
R1522	CMF	R	4.7Ω1W J	QRX019J-4R7
R1523	ОМ	R	68Ω2W J	QRG026J-680Z
R1528	OM	R	390Ω1W J	QRG019J-391
R1534	ZN	R		ERZ-C05ZK471
VR1501	ZN	R		ERZ-C05DK271
∆ R1703	∆ CMF	R	39Ω½W +1%	QRV122F-3902
<u> </u>	∆ CMF	R	7.68KΩ¼W +1%	QRV142F-7681
∆ R1901	⚠Posisto	r		A75414
R1902	UNF	R	2Ω7W K	QRF076K-2R0
R1903	CMF	R	4.7Ω3W J	QRX039J-4R7
R1904	ОМ	R	10KΩ2W J	QRG026J-103Z
R1905	ОМ	R	18KΩ1W J	QRG019J-183
∆ Q1908	ACMF	R	47Ω½W +1%	QRV122F-470Z
 ⚠R1909	V	R	2ΚΩ	QVP5A0B-023E
R1910	△CMF	R	2.74KΩ¼W +1%	QRV142F-274I
∱FR1901	ΔF	R	220Ω½W K	QRH124K-221M

Capacitors		
Symbol	Description	Part Number
C1301	BPE Cap. 3.3uF 50V A	QEN61HA-335Z
C1402	Tan. Cap. 2.2uF 16V K	QEE51CK-225B
C1407	E Cap. 4.7uF 6.3V A	QEW51JA-475
C1411	E Cap. 100uF 160V A	QEW52CA-107
C1412	E Cap. 3.3uF 160V A	QEW52CA-335
C1508	PP Cap. 5600uF 50V J	QFP31HJ-562
∆ C1512	⚠PP Cap. 2000pF DC1500V J	QFZ0082-202
∆ C1513	⚠PP Cap. 2000pF DC1500V J	QFZ0082-202
∆ C1514	⚠PP Cap. 2000pF DC1500V J	QFZ0082-202
C1515	PP Cap. 0.53uF DC1200V J	QFZ0067-534
C1520	BPE Cap. 3.3uF 50V A	QEN61HA-335Z
C1523	E Cap. 1uF 160V A	QEW62CA-105Z
C1524	M Cap. 0.1uF 200V K	QFM720K-104M
△ C1531	⚠PP Cap. 2000pF DC1500V J	QFZ0082-202
∆ C1532	⚠PP Cap. 1500pF DC1500V J	QFZ0082-152
C1904	E Cap.	QEY0034-001
C1905	E Cap. 10uF 250V A	QEW52EA-106

Part Number A76068

Colis **Symbol** L1502 L1503 L1504 **Transformers**

Description **Linarity Coil** Width Coil Heater Choke **Part Number** A39835 C30380-A C30445-A

Symbol T1501 T1503

Description Hor. Drive Transf. Side Pin Transf.

Part Number A46022-BM C39050-A

Semiconductors

Symbol IC1501 X1101 X1102 X1103 X1104 X1105 X1106 X1301 X1302 X1303 X1304 X1305 X1401 X1402 X1501 X1901 X1902 D1101 D1102 D1103 D1301 D1401

Description IC Si. Transistor Si. Diode Si. Diode Si. Diode Si. Diode Si. Diode Zener Diode Si. Diode Si. Diode Zener Diode Si. Diode Si. Diode Si. Diode **∆**Zener Diode

Part Number HA11244 2SC1685(R) 2SA673(C) 2SC1685(R) 2SA673(C) 2SC1685(R) 2SA673(C) 2SC1685(R) 2SC1685(R) 2SA673(C) 2SC1685(R) 2SC1685(R) 2SD478 2SD478 2SC2610BK 2SC2688 (K.L.M.) 2SC1890A (E.F.) **W06A**

W06A W06A 1SZ473H 1SZ473H RD10F(C) HF-1 **V09E** RD11E(B) **W06A 1SS81** 1SZ473H RD20EV2 1S1887A 1S1887A 1S1887A 1S1887A **RD6.8EV3**

Miscellaneous

Symbol ∆F1901 **ÆF1902**

D1402

D1503

D1504

D1505

D1506

D1507

D1508

△D1701

⚠D1901

⚠D1902

△D1903

⚠D1904

⚠D1905

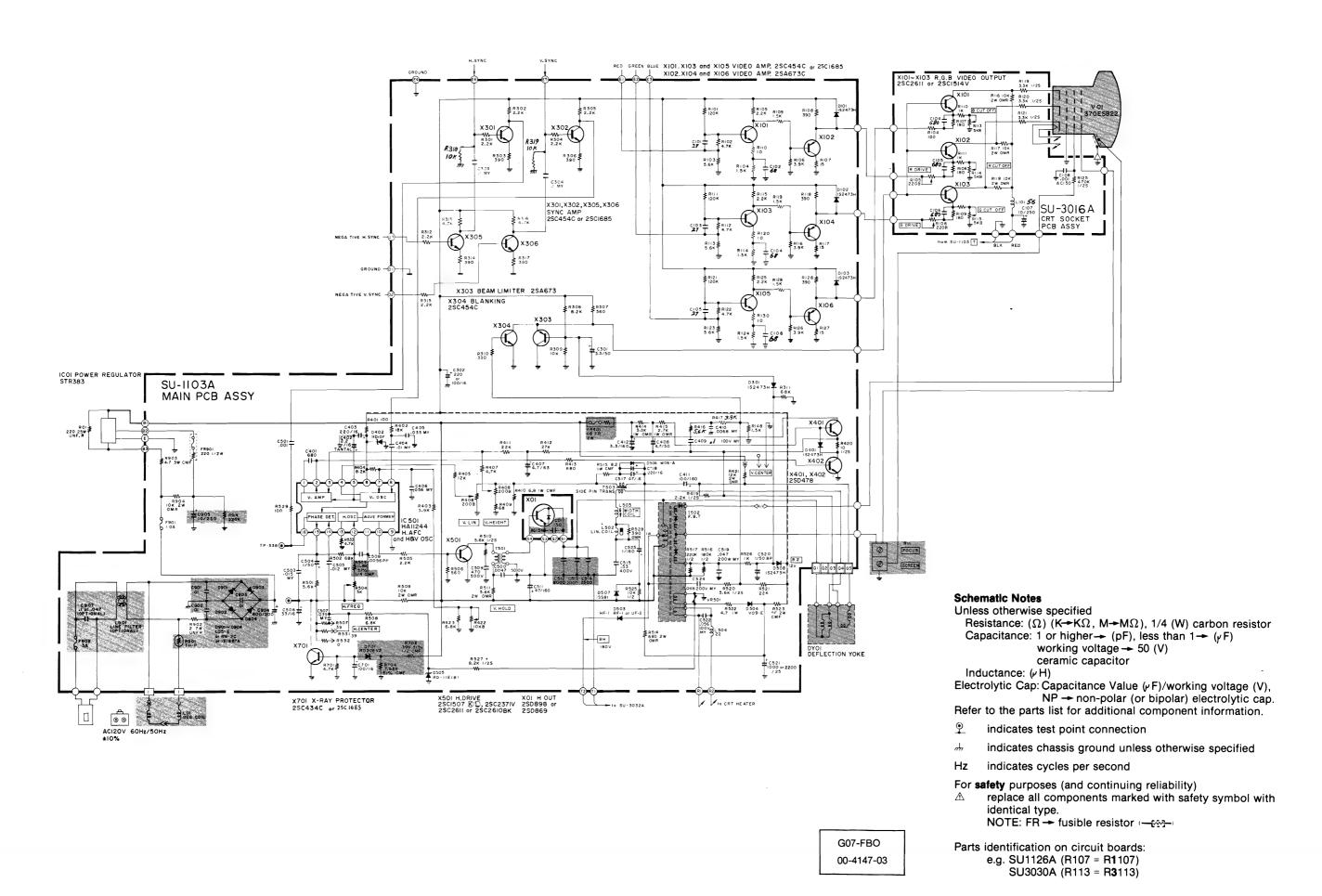
Description **∆**Fuse 1.25A **∆UL Fuse 3A**

ASi. Diode

∆Si. Diode

∆Si. Diode

Part Number QMF53U1-1R25S QMF66U1-3R0S



REPLACEMENT PARTS LIST - ELECTROHOME 13" MONITOR

Components identified by the \triangle symbol in the PARTS LIST and on the Schematic have special characteristics important to safety.

DO NOT degrade the safety of the set through improper servicing.

Description

Abbreviations for Resistors and Capacitors

Symbol

Ceramic Capacitor Mylar Capacitor Electrolytic Capacitor Bi-Polar (or Non-Polar) Electrolytic Capacitor Metalized Mylar Capacitor Polypropylene Capacitor Metalized PP Capacitor Polystyrol Capacitor Tantal Capacitor
Electr Bi-Po Electr Metal Polyp Metal Polys

NOTE: When ordering replacement parts please specify the part number as shown in this list including part name, and model number. Complete information will help expedite the order.

Use of substitute replacement parts which do not have the same safety characteristics as specified, may create shock, fire or other hazards. For maximum reliability and performance, all parts should be replaced by those having identical specifications.

9,111001		
	Main P.C.B. Ass'y	SU-1103A
	CRT Socket P.C.B. Ass'y	SU-3016A
Outside of the P.C.B. Ass'y		
Symbol	Description	Part Number
∆ V01	⚠ Picture Tube	370ESB22(E)
∆ DY01	⚠ Deflection Yoke	C29123-V
	PC Magnet	A76366-A
	Wedge	C30006
	∆Flyback Transf.	A19183-A
∆ R11	∆Focus V R	A46606-A
 ⚠R05	UNF Resistor 220 Ω , 25W. K	QRF258K-221
∆ C04		QCZ0101-005
X01	Si. Transistor	2SD869
IC01	IC Regulator	STR383
L01	Degausing Coil	21-1007-31
	Degausing Coil Pin Terminal (2)	34-708-01
	Degausing Coil Pin Terminal Housing	34-709-01
	Groundstrap Ass'y.	34-697-04
	Groundstrap Wire Terminal	34-228-03
	Groundstrap Spring (2)	35-3560-01
BR	Support Bracket RH	35-3919-01
BR	Support Bracket LH	35-3919-02
SC	SCREW 10-1/2 Pix Tube Mtg. (4)	31-631018-08
WA	Pyramidal Lockwasher (4)	33-255-01
	Clip P.C.B. Support (2)	33-629-02
	Ground Lug	34-33-04
СН	Chassis Base	38-452-01

Part Number

Main P.C.B. Ass'y (SU-1103A) Parts List

Resistors		
Symbol	Description	Part Number
R1406	V R 200Ω	QVZ3230-022
R1408	V R 200Ω	QVZ3230-022
R1410	CMF R 6.8Ω1W J	QRX019J-6R8
R1414	OM R 3.3KΩ1W J	QRG019J-332
R1415	OM R 2.7KΩ1W J	QRG019J-272
R1421	OM R 12KΩ2W J	QRG029J-123
R1422	V R 10KΩ	QVZ3224-014H
∆FR1401	ΔF R 68Ω2W K	QRH024K-680M
 ⚠R1503	ΔCMF R 11.8KΩ¼W +1%	QRV142F-1182
R1504	V R 5KΩ	QVZ3230-053
R1509	OM R 10KΩ2W J	QRG029J-103
R1511	OM R 5.6KΩ2W J	QRG029J-562
R1514	OM R 680Ω2W J	QRG029J-681 QRX019J-8R2
R1515	CMF R 8.2 Ω1W J	QRX019J-6R2 QRX019J-4R7
R1522	CMF R 4.7Ω1W J OM R 56Ω2W J	ORG029J-560
R1523	OM R 390Ω1W J	ORG0293-300
R1528	ZN R	ERZ-C05ZK471
R1534	ZN R	ERZ-C05DK271
VR1501	ΔCMF R 39K Ω½W +1%	QRV122F-3902
∆ R1703	ΔCMF R 7.68KΩ¼W +1%	ORV142F-7681
<u> </u>	△Posistor	A75414
R1902	UNF R 2Ω7W K	QRF076K-2R0
R1903	CMF R 5.6Ω3W J	QRX039J-5R6
R1904	OM R 10KΩ2W J	QRG026J-103Z
ΔFR1901	ΔF R 220Ω1/2W K	QRH124K-221M
Capacitors		
Capacitors Symbol	Description	Part Number
Symbol	Description Tan Cap. 2.2uF 16V K	Part Number QEE51CK-225B
Symbol C1402	Tan. Cap. 2.2uF 16V K	
Symbol C1402 C1411	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A	QEE51CK-225B
Symbol C1402 C1411 C1412	Tan. Cap. 2.2uF 16V K	QEE51CK-225B QEW52CA-107
Symbol C1402 C1411 C1412 C1508	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A	QEE51CK-225B QEW52CA-107 QEW52CA-335
Symbol C1402 C1411 C1412 C1508 C1511	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562
Symbol C1402 C1411 C1412 C1508 C1511 △C1512	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202
Symbol C1402 C1411 C1412 C1508 C1511	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2500pF DC1500V J ⚠PP Cap. 2500pF DC1500V J	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252
Symbol C1402 C1411 C1412 C1508 C1511 ⚠C1512 ⚠C1513	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2500pF DC1500V J ⚠PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0087-534
Symbol C1402 C1411 C1412 C1508 C1511 <u></u> <u></u>	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z
Symbol C1402 C1411 C1412 C1508 C1511	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M
Symbol C1402 C1411 C1412 C1508 C1511 ⚠C1512 ⚠C1513 ⚠C1514 C1515 C1520	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap.	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001
Symbol C1402 C1411 C1412 C1508 C1511 AC1512 AC1513 AC1514 C1515 C1520 C1524 C1904 C1905	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap. E Cap. 10uF 250V A	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001 QEW52EA-106
Symbol C1402 C1411 C1412 C1508 C1511 企C1512 企C1513 企C1514 C1515 C1520 C1524 C1904	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap.	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001
Symbol C1402 C1411 C1412 C1508 C1511 ⚠C1512 ⚠C1513 ⚠C1514 C1515 C1520 C1524 C1904 C1905	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap. E Cap. 10uF 250V A ⚠MM Cap. 0.1uF AC150V Z	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001 QEW52EA-106 QFZ9008-104
Symbol C1402 C1411 C1412 C1508 C1511 AC1512 AC1513 AC1514 C1515 C1520 C1524 C1904 C1905 AC1907	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2500pF DC1500V J ⚠PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap. E Cap. 10uF 250V A ⚠MM Cap. 0.1uF AC150V Z	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001 QEW52EA-106 QFZ9008-104
Symbol C1402 C1411 C1412 C1508 C1511 介C1512 介C1513 介C1514 C1515 C1520 C1524 C1904 C1905 介C1907	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2000pF DC1500V J ⚠PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap. E Cap. 10uF 250V A ⚠MM Cap. 0.1uF AC150V Z Description Peaking Coil	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001 QEW52EA-106 QFZ9008-104 Part Number A75360-6
Symbol C1402 C1411 C1412 C1508 C1511 AC1512 AC1513 AC1514 C1515 C1520 C1524 C1904 C1905 AC1907 Colls Symbol L1501 L1502	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A APP Cap. 2000pF DC1500V J APP Cap. 2000pF DC1500V J PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap. E Cap. 10uF 250V A AMM Cap. 0.1uF AC150V Z Description Peaking Coil Liniarty Coil	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001 QEW52EA-106 QFZ9008-104 Part Number A75360-6 A39934
Symbol C1402 C1411 C1412 C1508 C1511 ⚠C1512 ⚠C1513 ⚠C1514 C1515 C1520 C1524 C1904 C1905 ⚠C1907 Colis Symbol L1501 L1502 L1503	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A APP Cap. 2000pF DC1500V J APP Cap. 2000pF DC1500V J PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap. E Cap. E Cap. 10uF 250V A AMM Cap. 0.1uF AC150V Z Description Peaking Coil Liniarty Coil Width Coil	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001 QEW52EA-106 QFZ9008-104 Part Number A75360-6 A39934 C30380-A
Symbol C1402 C1411 C1412 C1508 C1511 ⚠C1512 ⚠C1513 ⚠C1514 C1515 C1520 C1524 C1904 C1905 ⚠C1907 Colis Symbol L1501 L1502 L1503 L1504	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A APP Cap. 2000pF DC1500V J APP Cap. 2000pF DC1500V J PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap. E Cap. E Cap. 10uF 250V A AMM Cap. 0.1uF AC150V Z Description Peaking Coil Liniarty Coil Width Coil Heater Choke	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001 QEW52EA-106 QFZ9008-104 Part Number A75360-6 A39934 C30380-A C30333-A
Symbol C1402 C1411 C1412 C1508 C1511 ⚠C1512 ⚠C1513 ⚠C1514 C1515 C1520 C1524 C1904 C1905 ⚠C1907 Colis Symbol L1501 L1502 L1503	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A APP Cap. 2000pF DC1500V J APP Cap. 2000pF DC1500V J PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap. E Cap. E Cap. 10uF 250V A AMM Cap. 0.1uF AC150V Z Description Peaking Coil Liniarty Coil Width Coil	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001 QEW52EA-106 QFZ9008-104 Part Number A75360-6 A39934 C30380-A
Symbol C1402 C1411 C1412 C1508 C1511 ⚠C1512 ⚠C1513 ⚠C1514 C1515 C1520 C1524 C1904 C1905 ⚠C1907 Colis Symbol L1501 L1502 L1503 L1504	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A APP Cap. 2000pF DC1500V J APP Cap. 2000pF DC1500V J PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap. E Cap. E Cap. 10uF 250V A AMM Cap. 0.1uF AC150V Z Description Peaking Coil Liniarty Coil Width Coil Heater Choke Line Filter	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001 QEW52EA-106 QFZ9008-104 Part Number A75360-6 A39934 C30380-A C30333-A A39475-J
Symbol C1402 C1411 C1412 C1508 C1511 ⚠C1512 ⚠C1513 ⚠C1514 C1515 C1520 C1524 C1904 C1905 ⚠C1907 Colls Symbol L1501 L1502 L1503 L1504 L1901 Transformers Symbol	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A APP Cap. 2000pF DC1500V J APP Cap. 2000pF DC1500V J PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap. E Cap. E Cap. 10uF 250V A AMM Cap. 0.1uF AC150V Z Description Peaking Coil Liniarty Coil Width Coil Heater Choke Line Filter Description	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001 QEW52EA-106 QFZ9008-104 Part Number A75360-6 A39934 C30380-A C30333-A A39475-J
Symbol C1402 C1411 C1412 C1508 C1511 ⚠C1512 ⚠C1513 ⚠C1514 C1515 C1520 C1524 C1904 C1905 ⚠C1907 Colls Symbol L1501 L1502 L1503 L1504 L1901 Transformers	Tan. Cap. 2.2uF 16V K E Cap. 100uF 160V A E Cap. 3.3uF 160V A PP Cap. 5600pF 50V J E Cap. 47uF 160V A APP Cap. 2000pF DC1500V J APP Cap. 2000pF DC1500V J PP Cap. 2500pF DC1500V J PP Cap. 0.53uF DC1200V K BPE Cap. 1uF 50V A M Cap. 0.1uF 200V K E Cap. E Cap. E Cap. 10uF 250V A AMM Cap. 0.1uF AC150V Z Description Peaking Coil Liniarty Coil Width Coil Heater Choke Line Filter	QEE51CK-225B QEW52CA-107 QEW52CA-335 QFP31HJ-562 QEW52CA-476S QFZ0082-202 QFZ0082-202 QFZ0082-252 QFZ0067-534 QEN61HA-105Z QFM72DK-682M QEY0034-001 QEW52EA-106 QFZ9008-104 Part Number A75360-6 A39934 C30380-A C30333-A A39475-J

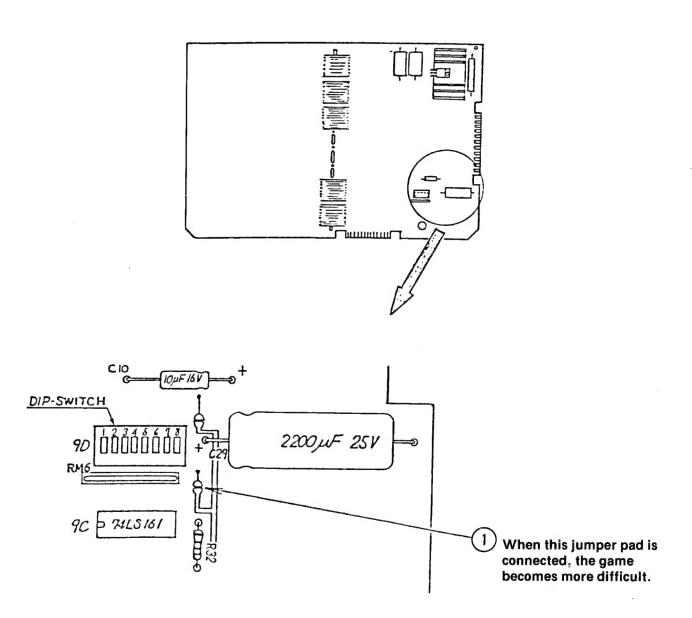
Semiconductors		
Symbol	Description	Part Number
IC1501	I.C.	HA11244
X1101	Si. Transistor	2SC1685(R)
X1102	Si. Transistor	2SA673(C)
X1103	Si. Transistor	2SC1685(R)
X1104	Si. Transistor	2SA673(C)
X1105	Si. Transistor	2SC1685(R)
X1106	Si. Transistor	2SA673(C)
X1301	Si. Transistor	2SC1685(R)
X1302	Si. Transistor	2SC1685(R)
X1303	Si. Transistor	2SA673(C)
X1304	Si. Transistor	2SC1685(R)
X1305	Si. Transistor	2SC1685(R)
X1401	Si. Transistor	2SD478
X1402	Si. Transistor	2SD478
X1501	Si. Transistor	2SC2610BK
X1701	Si. Transistor	2SC1685(P-S)
D1101	Si. Diode	W06A
D1102	Si. Diode	W06A
D1103	Si. Diode	W06A
D1301	Si. Diode	1S2473H
D1401	Si. Diode	1S2473H
D1402	Zener Diode	RD10F(C)
D1503	Si. Diode	HF-1
D1504	Si. Diode	V09E
D1505	Zener Diode	RD11E(B)
D1506	Si. Diode	W06A
D1507	Si. Diode	1SS81
D1508	Si. Diode	1S2473H
D1701	∆ Zener Diode	RD20EV2
D1901	∆Si. Diode	1S1887A
D1902	∆ Si. Diode	1S1887A
D1903	∆Si. Diode	1S1887A
D1904	∆ Si. Diode	1S1887A
Miscellaneous		
Symbol	Description	Part Number
F1901	∱ Fuse 1A	QMF53U1-1R0S
F1902	∆UL Fuse 3A	QMF66U1-3R0S

CRT Socket P.C.B. Ass'y (SU-3016A) Parts List

Resistors		
Symbol	Description	Part Number
R3105	V R 200Ω	QVZ3234-022
R3106	V R 200Ω	QVZ3234-022
R3113	V R 5KΩ	QVZ3234-053
R3114	V R 5KΩ	QVZ3234-053
R3115	V R 5KΩ	QVZ3234-053
R3116	OM R 10KΩ2W J	QRG029J-103
R3117	OM R 10KΩ2W J	QRG029J-103
R3118	OM R 10KΩ2W J	QRG029J-103
R3119	Comp. R 3.3KΩ½W K	QRZ0039-332
R3120	Comp. R 3.3KΩ½W K	QRZ0039-332
R3121	Comp. R 3.3KΩ½W K	QRZ0039-332
Capacitors		
Symbol	Description	Part Number
C3107	E Cap. 10uF 250V A	QEW52EA-106
C3108	C Cap. 1000pF DC1400V P	QCZ9001-102M
Colis		
Symbol	Description	Part Number
L3101	Peaking coil	QQL043K-101
Semiconductors		
Symbol	Description	Part Number
X3101	Si. Transistor	2SC2611
X3102	Si. Transistor	2SC2611
X3103	Si. Transistor	2SC2611
Miscellaneous		
Symbol	Description	Part Number
7	⚠ CRT Socket	A75522

INSTRUCTIONS FOR MODIFICATION OF PAC-MAN GAME PCB

THE FOLLOWING ARE INSTRUCTIONS FOR MODIFYING PAC-MAN PCB SUCH THAT 1 THE DEGREE OF DIFFICULTY OF THE GAME IS INCREASED.



WARNING: THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTIONS MANUAL, MAY CAUSE INTERFERENCE TO RADIO COMMUNICATIONS. AS TEMPORARILY PERMITTED BY REGULATION IT HAS NOT BEEN TESTED FOR COMPLIANCE TO SUBPART J OR PART 15 OF FCC RULES, WHICH ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST SUCH INTERFERENCE. OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE INTERFERENCE IN WHICH CASE THE USER AT HIS OWN EXPENSE WILL BE REQUIRED TO TAKE WHATEVER MEASURES MAY BE REQUIRED TO CORRECT THE INTERFERENCE

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